PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, has made the decision to issue the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC , P.O. Box 517, Geismar, LA 70734 for the Geismar Facility. **The facility is located at 9156 Hwy. 75, Geismar, LA 70734, Ascension Parish.**

Under this Final Hazardous Waste Operating Renewal permit, Rubicon, LLC will operate 3-BIF Units, 1-Container Storage Area, and 19-Tanks: Aniline 2 BIF Unit, DPA 1 Superheater, DPA 2 Superheater, Permitted Container Storage Area and Tanks MS-431, MS-438, MS-603, MS-2303, MS-2207, MS-2230, MF-8603, MF-8616, MF-8638A, MF-8638B, MF-8638C, MF-8275, MS-8632, MS-8648, GF-8189A, GF-8189B, GF-8189C, GF-8189D, and GF-8189E.

Rubicon, LLC is a chemical manufacturer, and a permitted treatment storage and disposal facility. The proposed final permit would finalize the conditions under which Rubicon, LLC would operate all permitted hazardous waste units at the Geismar facility.

The final permitting action and related documents are available for review and copying (all documents copied will be subject to a $0.25 charge per copied page) at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov** .

An additional copy of this action may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

In accordance with Louisiana Revised Statutes (La R.S.) 30:2024, the Permittee may file with the secretary a request for a hearing no later than thirty (30) days after the notice of the action is served. Under La. R.S. 30:2050.21, any person aggrieved by a final permit action may appeal to the Nineteenth Judicial District Court within 30 days after the notice of the action has been given.

Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the issued permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx .

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm .

All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

FINAL
HAZARDOUS WASTE OPERATING RENEWAL
PERMIT

RUBICON, LLC
GEISMAR, LOUISIANA
LAD008213191-OP-RN-1
AI#1468/PER20030014

RECORD CENTER COPY

SIGNATURE PAGE

FINAL
HAZARDOUS WASTE OPERATING RENEWAL PERMIT

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OPERATING PERMIT
FOR HAZARDOUS WASTE STORAGE AND COMBUSTION

PERMITTEE: RUBICON, LLC

PERMIT NUMBER: LAD 008213191-OP-RN-1
Agency Interest #1468/Activity # PER 20030014

FACILITY LOCATION: 9156 HIGHWAY 75
P.O. BOX 517
GEISMAR, ASCENSION PARISH, LOUISIANA, 70734

This permit is issued by the Louisiana Department of Environmental Quality (LDEQ) under the authority of the Louisiana Hazardous Waste Control Law R.S. 30:2171 et seq., and the regulations adopted thereunder and under the authority of the 1984 Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA) to Rubicon, LLC, (hereafter called the Permittee), to operate a hazardous waste Treatment, Storage, and Disposal facility (TSD) Louisiana, at latitude 30° 12' 5" and longitude 91° 0' 41".

For the purposes of this permit, the "Administrative Authority" shall be the Secretary of the Louisiana Department of Environmental Quality, or his/her designee.

The permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein and the applicable regulations contained in the Louisiana Administrative Code, Title 33, Part V, Subpart 1, (LAC 33:V.Subpart 1). Applicable regulations are those that are in effect on the effective date of issuance of this permit.

This permit is based on the assumption that the information provided to LDEQ by the Permittee is accurate.

Any inaccuracies found in the submitted information may be grounds for the termination, modification, revocation, and reissuance of this permit (see LAC 33:V.323) and potential enforcement action. The Permittee must inform the LDEQ of any deviation from or changes in the information in the application that would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit shall be effective as of March 10, 2009, and shall remain in effect until March 10, 2019, unless revoked, reissued, modified or terminated in accordance with LAC 33:V.323 and 705 of the Louisiana Hazardous Waste Regulations. The Administrative Authority may issue any permit for a duration that is less than the maximum term of ten (10) years and the term shall not be extended beyond the maximum duration by modification in accordance with LAC 33:V.315.

Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the Secretary elects to suspend other provisions as well. A request for hearing must be sent to the following:

Louisiana Department of Environmental Quality
Office of the Secretary
Attention: Hearings Clerk, Legal Services Division
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

Cheryl Sonnier Nolan, Assistant Secretary
Louisiana Department of Environmental Quality

28 Jan 2009
Date

PUBLIC PARTICIPATION

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, has made the decision to issue the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC , P.O. Box 517, Geismar, LA 70734 for the Geismar Facility. **The facility is located at 9156 Hwy. 75, Geismar, LA 70734, Ascension Parish.**

Under this Final Hazardous Waste Operating Renewal permit, Rubicon, LLC will operate 3-BIF Units, 1-Container Storage Area, and 19-Tanks: Aniline 2 BIF Unit, DPA 1 Superheater, DPA 2 Superheater, Permitted Container Storage Area and Tanks MS-431, MS-438, MS-603, MS-2303, MS-2207, MS-2230, MF-8603, MF-8616, MF-8638A, MF-8638B, MF-8638C, MF-8275, MS-8632, MS-8648, GF-8189A, GF-8189B, GF-8189C, GF-8189D, and GF-8189E.

Rubicon, LLC is a chemical manufacturer, and a permitted treatment storage and disposal facility. The proposed final permit would finalize the conditions under which Rubicon, LLC would operate all permitted hazardous waste units at the Geismar facility.

The final permitting action and related documents are available for review and copying (all documents copied will be subject to a $0.25 charge per copied page) at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov** .

An additional copy of this action may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

In accordance with Louisiana Revised Statutes (La R.S.) 30:2024, the Permittee may file with the secretary a request for a hearing no later than thirty (30) days after the notice of the action is served. Under La. R.S. 30:2050.21, any person aggrieved by a final permit action may appeal to the Nineteenth Judicial District Court within 30 days after the notice of the action has been given.

Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the issued permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx .

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm .

All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 6, 2009

Attn: Ms. Angelle Deshautelles, Director
Ascension Parish Library
Gonzales Branch
708 South Irma Boulevard
Gonzales, LA 70737

Phone: (225) 647-8924
Fax: (225) 644-0063

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Ms. Deshautelles:

We request that a copy of the attached Final Permit and Public Notice, that is **scheduled to be published on Tuesday, February 10, 2009**, regarding the facility and permit action referenced above, be added to the Permit Application, Addendums, Draft Permit, and related documents regarding the facility, that you received on, or about, Wednesday, July 16, 2008, and on, or about, Tuesday, September 30, 2008, and that all of the material be made available for public review upon receipt, in the Ascension Parish Library, Gonzales Branch, 708 South Irma Boulevard, Gonzales, LA 70737

It is imperative that these documents are available for review at all times; therefore, they cannot be checked out by anyone at any time.

These documents should be retained during the permitting process. At the close of the permitting period, the Louisiana Department of Environmental Quality, Office of Environmental Services (LDEQ-OES), Permits Division, will provide written notice to you requesting that the information be removed.

Please complete the attached "Verification by Library" form and mail it to: Calvin Fair, LDEQ-OES, Environmental Assistance Division, Post Office Box 4313, Baton Rouge, Louisiana 70821-4313, or Fax it to: (225) 219-3309.

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3283 or e-mail me at Calvin.Fair@LA.GOV .

Sincerely,

Calvin Fair

LDEQ
Public Participation Group

CF
Attachments

VERIFICATION BY LIBRARY

The undersigned verifies that the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737, has received a copy of the Public Notice and the Final Permit, regarding the facility referenced below and that they will be attached to the Permit Application, Addendums, Draft Permit, and related documents regarding the facility, which we sent to you on, or about, Wednesday, July 16, 2008, and on, or about, Tuesday, September 30, 2008:

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Ascension Parish Library:

By:_____ Date:_____

Please complete and return this form promptly to the address listed below:

Calvin Fair
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Phone: (225) 219-3283
Fax: (225) 325-8159

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 6, 2009

Iberville Parish Library
Attn: Ms. Lydia Haydel, Branch Manager
East Iberville Branch
5715 Monticello Street
St. Gabriel, LA 70776

Phone: (225) 642-8380
Fax: (225) 642-8381

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Ms. Haydel:

We request that a copy of the attached Final Permit and Public Notice, that is **scheduled to be published on Tuesday, February 10, 2009**, regarding the facility and permit action referenced above, be added to the Permit Application, Addendums, Draft Permit, and related documents regarding the facility, that you received on, or about, Wednesday, July 16, 2008, and on, or about, Tuesday, September 30, 2008, and that all of the material be made available for public review upon receipt, in the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

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We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3283 or e-mail me at Calvin.Fair@LA.GOV .

Sincerely, Calvin E. Fair

Calvin Fair
LDEQ
Public Participation Group

CF
Attachments

VERIFICATION BY LIBRARY

The undersigned verifies that the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776, has received a copy of the Public Notice and the Final Permit, regarding the facility referenced below and that they will be attached to the Permit Application, Addendums, Draft Permit, and related documents regarding the facility, which we sent to you on, or about, Wednesday, July 16, 2008, and on, or about, Tuesday, September 30, 2008:

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Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Iberville Parish Library, East Iberville Branch:

By:_____ Date:_____

Please complete and return this form promptly to the address listed below:

Calvin Fair
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Phone: (225) 219-3283
Fax: (225) 325-8159

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

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An additional copy of this action may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

In accordance with Louisiana Revised Statutes (La R.S.) 30:2024, the Permittee may file with the secretary a request for a hearing no later than thirty (30) days after the notice of the action is served. Under La. R.S. 30:2050.21, any person aggrieved by a final permit action may appeal to the Nineteenth Judicial District Court within 30 days after the notice of the action has been given.

Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the issued permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx .

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm .

All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 5, 2009

Phone: (225) 383-1111
Fax: (225) 388-0164
E-mail: Legal.Ads@TheAdvocate.com

Ms. Susan Bush
Legal Advertising
The Advocate
P.O. Box 588
Baton Rouge, LA 70821-0588

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Ms. Bush:

Please publish the attached legal notice regarding the above referenced facility as a regular legal ad in **The Advocate** on **Tuesday, February 10, 2009.** I will also send you a copy of the legal notice via e-mail at Legal.Ads@TheAdvocate.com .

State regulations require that we provide notification to the public and allow sufficient time for public comments. For this Department to be assured that adequate notification is provided, we request that you sign and date the enclosed 'Verification by Newspaper' form, and fax it to the attention of Calvin Fair at (225) 219-3309 immediately upon publication. If the notice cannot be published on the date requested, please immediately contact Mr. Fair at (225) 219-3283 or email Calvin.Fair@LA.GOV.

The invoice for this public notice should be sent to:

Ms. Michelle Eaglin, Environmental Engineering Manager
Rubicon, LLC
Geismar Facility
P.O. Box 517
Geismar, LA 70734
(225) 242-5590 - Phone
(225) 673-2470 – Fax

PLEASE NOTE: We no longer require an affidavit as proof of publication.

PLEASE NOTE: We no longer require an affidavit as proof of publication.

Official Proof of Publication of this Public Notice in the form of:

(1) a Tear Sheet from the newspaper that shows the name of the newspaper and date of publication;

or

(2) the complete page on which the Public Notice was published, also showing the name of the newspaper and the date of publication,
should be sent to:

Calvin Fair, LDEQ
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, LA 70821-4313.

However, on the date of publication, please continue faxing us the "VERIFICATION BY NEWSPAPER" form (see next page), along with a copy of the Tear Sheet of the Public Notice., OR, you could send an e-mail with an attached PDF version of the page of the newspaper that contains the referenced Public Notice, which (of course) shows the Newspaper Name, Date, and Page #.

Thank you for assisting in our effort to serve the public.

Sincerely,

Calvin Fair CF

LDEQ
Public Participation Group

CF
Attachments

VERIFICATION BY NEWSPAPER

For Publication on Tuesday, February 10, 2009

Immediately upon publication please fax this form, along with a copy of the public notice as it appeared in the newspaper, to Calvin Fair at: (225) 325-8159, or (225) 219-3309.

The undersigned verifies that the following public notice was published in the _____ (date of publication) edition of **The Advocate:**

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

The Advocate:

By: _____ Date: _____

PLEASE NOTE:

THIS VERIFICATION DOES NOT RELIEVE THE NEWSPAPER OF THE RESPONSIBILITY OF PROVIDING PROOF OF PUBLICATION, IN THE FORM OF EITHER A TEAR SHEET OF THE PUBLIC NOTICE that shows the name of the newspaper and date of publication;

OR, THE COMPLETE PAGE ON WHICH THE PUBLIC NOTICE IS PUBLISHED, also showing the name of the newspaper and the date of publication, TO THE LDEQ AS REQUESTED IN OUR COVER LETTER.

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 5, 2009

Phone: (225) 644-6397
Fax: (225) 644-2069
E-mail: PublicNotices@WeeklyCitizen.com

Ms. Penny Martinez
Legal Advertising
The Gonzales Weekly Citizen
P.O. Box 430
Gonzales, LA 70707-0430

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Ms. Martinez:

Please publish the attached legal notice regarding the above referenced facility as a regular legal ad in **The Gonzales Weekly Citizen** on **Tuesday, February 10, 2009**. I will also send you a copy of the legal notice via e-mail at PublicNotices@WeeklyCitizen.com .

State regulations require that we provide notification to the public and allow sufficient time for public comments. For this Department to be assured that adequate notification is provided, we request that you sign and date the enclosed 'Verification by Newspaper' form, and fax it to the attention of Calvin Fair at (225) 219-3309 immediately upon publication. If the notice cannot be published on the date requested, please immediately contact Mr. Fair at (225) 219-3283 or email Calvin.Fair@LA.GOV.

The invoice for this public notice should be sent to:

Ms. Michelle Eaglin, Environmental Engineering Manager
Rubicon, LLC
Geismar Facility
P.O. Box 517
Geismar, LA 70734
(225) 242-5590 - Phone
(225) 673-2470 – Fax

PLEASE NOTE: We no longer require an affidavit as proof of publication.

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(1) a Tear Sheet from the newspaper that shows the name of the newspaper and date of publication;

or

(2) the complete page on which the Public Notice was published, also showing the name of the newspaper and the date of publication,
should be sent to:

Calvin Fair, LDEQ
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, LA 70821-4313.

However, on the date of publication, please continue faxing us the "VERIFICATION BY NEWSPAPER" form (see next page), along with a copy of the Tear Sheet of the Public Notice., OR, you could send an e-mail with an attached PDF version of the page of the newspaper that contains the referenced Public Notice, which (of course) shows the Newspaper Name, Date, and Page #.

Thank you for assisting in our effort to serve the public.

Sincerely,
Calvin Fair CF
LDEQ
Public Participation Group

CF
Attachments

VERIFICATION BY NEWSPAPER

For Publication on Tuesday, February 10, 2009

Immediately upon publication please fax this form, along with a copy of the public notice as it appeared in the newspaper, to Calvin Fair at: (225) 325-8159, or (225) 219-3309.

The undersigned verifies that the following public notice was published in the _____ (date of publication) edition of **The Gonzales Weekly Citizen:**

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

The Gonzales Weekly Citizen:

By: _____ Date: _____

PLEASE NOTE:

THIS VERIFICATION DOES NOT RELIEVE THE NEWSPAPER OF THE RESPONSIBILITY OF PROVIDING PROOF OF PUBLICATION, IN THE FORM OF EITHER A TEAR SHEET OF THE PUBLIC NOTICE that shows the name of the newspaper and date of publication;

OR, THE COMPLETE PAGE ON WHICH THE PUBLIC NOTICE IS PUBLISHED, also showing the name of the newspaper and the date of publication, TO THE LDEQ AS REQUESTED IN OUR COVER LETTER.

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 6, 2009

Honorable Tommie Martinez, President
ATTN: Ms. Suzanne Patterson, Secretary
Ascension Parish Police Jury
208 East Railroad Street
Gonzales, LA 70737
Phone: (225) 621-5709
Fax: (225) 644-6479
E-mail: SPatterson@APGov.US

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear President Martinez:

For your review, I have attached a copy of the Public Notice and a copy of the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC, Geismar Facility. The Public Notice is scheduled to be published on Tuesday, February 10, 2009, in The Gonzales Weekly Citizen, Gonzales, and also in The Advocate, Baton Rouge.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Please complete the attached "Verification by Parish Government/Police Jury" form and mail it to: Calvin Fair, LDEQ-OES, Environmental Assistance Division, Post Office Box 4313, Baton Rouge, Louisiana 70821-4313, or Fax it to: (225) 219-3309.

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3283 or e-mail me at Calvin.Fair@LA.GOV .

Sincerely,

Calvin Fair Calvin E. Fair

LDEQ
Public Participation Group
CF / Attachments

VERIFICATION BY
PARISH GOVERNMENT / POLICE JURY

The undersigned verifies that the Ascension Parish Police Jury, 208 East Railroad Street, Gonzales, LA 70737, has received a copy of the Public Notice and the Final Permit, regarding the facility referenced below:

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Ascension Parish Police Jury:

By:_____ Date:_____

Please complete and return this form promptly to the address listed below:

Calvin Fair
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Phone: (225) 219-3283
Fax: (225) 325-8159

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, has made the decision to issue the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC , P.O. Box 517, Geismar, LA 70734 for the Geismar Facility. **The facility is located at 9156 Hwy. 75, Geismar, LA 70734, Ascension Parish.**

Under this Final Hazardous Waste Operating Renewal permit, Rubicon, LLC will operate 3-BIF Units, 1-Container Storage Area, and 19-Tanks: Aniline 2 BIF Unit, DPA 1 Superheater, DPA 2 Superheater, Permitted Container Storage Area and Tanks MS-431, MS-438, MS-603, MS-2303, MS-2207, MS-2230, MF-8603, MF-8616, MF-8638A, MF-8638B, MF-8638C, MF-8275, MS-8632, MS-8648, GF-8189A, GF-8189B, GF-8189C, GF-8189D, and GF-8189E.

Rubicon, LLC is a chemical manufacturer, and a permitted treatment storage and disposal facility. The proposed final permit would finalize the conditions under which Rubicon, LLC would operate all permitted hazardous waste units at the Geismar facility.

The final permitting action and related documents are available for review and copying (all documents copied will be subject to a $0.25 charge per copied page) at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov** .

An additional copy of this action may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

In accordance with Louisiana Revised Statutes (La R.S.) 30:2024, the Permittee may file with the secretary a request for a hearing no later than thirty (30) days after the notice of the action is served. Under La. R.S. 30:2050.21, any person aggrieved by a final permit action may appeal to the Nineteenth Judicial District Court within 30 days after the notice of the action has been given.

Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the issued permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx .

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm .

All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 6, 2009

Phone: (225) 219-3600
Fax: (225) 219-3695
E-mail: CROAdmin@LA.GOV

Mr. Bobby Mayweather, Regional Manager
LDEQ Capital Regional Officer
P.O. Box 4312
Baton Rouge, LA 70821-4312

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Mr. Mayweather:

For your review, I have attached a copy of the Public Notice and a copy of the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC, Geismar Facility. The Public Notice is scheduled to be published on Tuesday, February 10, 2009, in The Gonzales Weekly Citizen, Gonzales, and also in The Advocate, Baton Rouge.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Please complete the attached "Verification by LDEQ Capital Regional Office" form and mail it to: Calvin Fair, LDEQ-OES, Environmental Assistance Division, Post Office Box 4313, Baton Rouge, Louisiana 70821-4313, or Fax it to: (225) 219-3309.

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3283 or e-mail me at Calvin.Fair@LA.GOV .

Sincerely,

Calvin Fair Calvin E. Fair

LDEQ
Public Participation Group
CF / Attachments

VERIFICATION BY
LDEQ CAPITAL REGIONAL OFFICE

The undersigned verifies that the LDEQ Capital Regional Office has received a copy of the Public Notice and the Final Permit, regarding the facility referenced below:

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

LDEQ CAPITAL REGIONAL OFFICE:

By:_____ Date:_____

Please complete and return this form promptly to the address listed below:

Calvin Fair
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Phone: (225) 219-3283
Fax: (225) 325-8159

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, has made the decision to issue the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC , P.O. Box 517, Geismar, LA 70734 for the Geismar Facility. **The facility is located at 9156 Hwy. 75, Geismar, LA 70734, Ascension Parish.**

Under this Final Hazardous Waste Operating Renewal permit, Rubicon, LLC will operate 3-BIF Units, 1-Container Storage Area, and 19-Tanks: Aniline 2 BIF Unit, DPA 1 Superheater, DPA 2 Superheater, Permitted Container Storage Area and Tanks MS-431, MS-438, MS-603, MS-2303, MS-2207, MS-2230, MF-8603, MF-8616, MF-8638A, MF-8638B, MF-8638C, MF-8275, MS-8632, MS-8648, GF-8189A, GF-8189B, GF-8189C, GF-8189D, and GF-8189E.

Rubicon, LLC is a chemical manufacturer, and a permitted treatment storage and disposal facility. The proposed final permit would finalize the conditions under which Rubicon, LLC would operate all permitted hazardous waste units at the Geismar facility.

The final permitting action and related documents are available for review and copying (all documents copied will be subject to a $0.25 charge per copied page) at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov** .

An additional copy of this action may be reviewed at the Ascension Parish Library, Gonzales Branch, 708 S. Irma Blvd., Gonzales, LA 70737 and the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel, LA 70776.

In accordance with Louisiana Revised Statutes (La R.S.) 30:2024, the Permittee may file with the secretary a request for a hearing no later than thirty (30) days after the notice of the action is served. Under La. R.S. 30:2050.21, any person aggrieved by a final permit action may appeal to the Nineteenth Judicial District Court within 30 days after the notice of the action has been given.

Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the issued permit and associated information can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx .

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm .

All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

February 6, 2009

Phone: (214) 665-6669

Mr. Kishor Fruitwala
U. S. EPA, Region VI
1445 Ross Avenue
Dallas, Texas 75202-2733

Re: Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

Dear Mr. Fruitwala:

For your review, I have attached a copy of the Public Notice and a copy of the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC, Geismar Facility. The Public Notice is scheduled to be published on Tuesday, February 10, 2009, in The Gonzales Weekly Citizen, Gonzales, and also in The Advocate, Baton Rouge.

Inquiries or requests for additional information regarding this permit action, should be directed to Keith Williams, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3011.

Please complete the attached "Verification by U. S. EPA, Region VI" form and mail it to: Calvin Fair, LDEQ-OES, Environmental Assistance Division, Post Office Box 4313, Baton Rouge, Louisiana 70821-4313, or Fax it to: (225) 219-3309.

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3283 or e-mail me at Calvin.Fair@LA.GOV .

Sincerely,

Calvin Fair Calvin E. Fair

LDEQ
Public Participation Group
CF / Attachments

VERIFICATION BY
U.S. EPA, REGION VI

The undersigned verifies that the U.S. EPA, Region VI has received a copy of the Public Notice and the Final Permit, regarding the facility referenced below:

Issuance of the Final Hazardous Waste Operating Renewal Permit for
Rubicon, LLC
Geismar Facility
Agency Interest (AI) No. 1468, LAD 008213191, PER20030014

U.S. EPA, Region VI:

By:_____ Date:_____

Please complete and return this form promptly to the address listed below:

Calvin Fair
Louisiana Department of Environmental Quality
Office of Environmental Services
Environmental Assistance Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
Phone: (225) 219-3283
Fax: (225) 325-8159

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RUBICON, LLC
GEISMAR FACILITY
FINAL HAZARDOUS WASTE OPERATING RENEWAL PERMIT

The LDEQ, Office of Environmental Services, has made the decision to issue the Final Hazardous Waste Operating Renewal Permit for Rubicon, LLC , P.O. Box 517, Geismar, LA 70734 for the Geismar Facility. **The facility is located at 9156 Hwy. 75, Geismar, LA 70734, Ascension Parish.**

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Previous notices have been published in the Gonzales Weekly Citizen, Gonzales, LA, and in The Advocate, Baton Rouge, LA on Tuesday, October 7, 2008.

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All correspondence should specify AI Number 1468, Permit Number LAD 008213191-OP-RN-1, and Activity Number PER20030014.

Scheduled Publication Date: Tuesday, February 10, 2009

PART A
APPLICATION

OMB#: 2050-0024 Expires 11/30/20

MAIL THE COMPLETED FORM TO: The appropriate EPA Regional or State Office.	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM - 2007**

1. Reason for Submittal (see instructions on page 9)

MARK ALL BOX(ES) THAT APPLY

A. Reason for Submittal:

- [ ] To provide initial notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).
- [ ] To provide subsequent notification of Regulated Waste Activity (to update site identification information).
- [ ] As a component of a First RCRA Hazardous Waste Part A Permit Application.
- [x] As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #)
- [ ] As a component of Hazardous Waste Report.

2. Site EPA ID Number (page 10)

EPA ID Number: LAD008213191

3. SiteName (page 10)

Site Name: Rubicon LLC

4. Site Location Information (page 10)

Street Address: 9156 Highway 75

City, Town or Village: Geismar **State:** LA

County Name: ASCENSION **Zip Code:** 70734

5. Site Land Type (page 10)

Site Land Type: [x] Private [ ] County [ ] District [ ] Federal [ ] Indian [ ] Municipal [ ] State [ ] Other

6. North American Industry Classification System (NAICS) Code(s) for the Site (page 10)

A. 325192 **B.** 325211

C. 325199 **D.**

7. Site Mailing Address (page 11)

Street or P.O. Box: P. O. Box 517

City, Town or Village: Geismar

State: LA

Country: UNITED STATES **Zip Code:** 70734

8. Site Contact Person (page 11)

First Name: Michelle **MI:** **Last Name:** Eaglin

Phone Number: 2252425590 **Extension:**

Email Address: michelle_b_eaglin@huntsman.com

9. Operator and Legal Owner of the Site (pages 11 and 12)

Name of Site's Operator: Rubicon LLC

Date Became Operator (mm/dd/yyyy): 12/24/2003

Operator Type: [x] Private [ ] County [ ] District [ ] Federal [ ] Indian [ ] Municipal [ ] State [ ] Other

Name of Site's Legal Owner: Rubicon LLC

Date Became Owner (mm/dd/yyyy): 12/24/2003

Owner Type: [x] Private [ ] County [ ] District [ ] Federal [ ] Indian [ ] Municipal [ ] State [ ] Other

9. Legal Owner (Continued) Address	
	Street or P.O. Box: P. O. Box 517
	City, Town or Village: Geismar
	State: LA
	Country: UNITED STATES Zip Code: 70734

10. Type of Regulated Waste Activity
Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 13 to 16).

A. Hazardous Waste Activities
Complete all parts for 1 through 6.

Y [X] N [ ] **1. Generator of Hazardous Waste**
If "Yes", choose only one of the following - a, b or c.

- [X] a. LQG: Greater than 1000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or
- [ ] b. SQG: 100 to 1000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or
- [ ] c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities.

Y [ ] N [X] d. United States Importer of Hazardous Waste

Y [ ] N [X] e. Mixed Waste (hazardous and radioactive) Generator

Y [ ] N [X] **2. Transporter of Hazardous Waste**

Y [X] N [ ] **3. Treater, Storer or Disposer of Hazardous Waste (at your site)**
Note: A hazardous waste permit is required for this activity.

Y [ ] N [X] **4. Recycler of Hazardous Waste (at your site)**

Y [ ] N [X] **5. Exempt Boiler and/or Industrial Furnace**

- [ ] a. Small Quantity On-Site Burner Exemption
- [ ] b. Smelting, Melting, and Refining

Y [X] N [ ] **6. Underground Injection Control**

B. Universal Waste Activities

Y [ ] N [X] **1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. Mark all boxes that apply:**

	Managed
a. Batteries	[ ]
b. Pesticides	[ ]
c. Thermostats	[ ]
d. Lamps	[ ]
e. Other (specify)	[ ]
f. Other (specify)	[ ]
g. Other (specify)	[ ]

Y [ ] N [X] **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities
Mark all boxes that apply.

Y [ ] N [X] **1. Used Oil Transporter**
If "Yes", mark each that applies.
- [ ] a. Transporter
- [ ] b. Transfer Facility

Y [ ] N [X] **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark each that applies.
- [ ] a. Processor
- [ ] b. Re-refiner

Y [ ] N [X] **3. Off-Specification Used Oil Burner**

Y [ ] N [X] **4. Used Oil Fuel Marketer**
If "Yes", mark each that applies.
- [ ] a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- [ ] b. Marketer Who First Claims the Used Oil Meets the Specifications

11. Description of Hazardous Wastes (see instructions on page 17)

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D018	D019	D021
D022	D023	D024	D025	D026	D027	D028

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if needed for more waste codes.

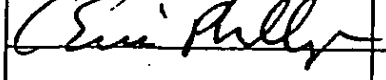
12. Comments (see instructions on page 17)

Sec 9 - Date Became Operator is the date that Rubicon's name was changed to Rubicon LLC
Sec 10.A.3 - Interim status for 3 BIF Units, pending permit

Section 11, Box A, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043, F001, F002, F003, F004, F005, F027, F039, K025, K027, K083, K103, K104, K111, K112, K113, K114, K115, K116, LABP, P008, P012, P022, P024, P028, P047, P048, P077, P095, P096, P105, P106, P120, U002, U003, U006, U008, U009, U012, U017, U019, U021, U030, U031, U037, U044, U047, U048, U052, U055, U056, U057, U069, U070, U071, U072, U075, U076, U077, U078, U079, U080, U081, U083, U088, U095, U096, U101, U102, U105, U106, U108, U109, U112, U115, U117, U120, U121, U122, U123, U127, U128, U130, U131, U133, U140, U144, U147, U151, U154, U159, U161, U165, U169, U170, U171, U181, U188, U190, U191, U196, U197, U209, U210, U211, U213, U218, U220, U221, U223, U225, U226, U227, U228, U235, U239, U240, U328, U353, U359, U404.

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(See instructions on page 17)

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	C. Eric Phillips, V.P. & Gen. Mgr	12/03/2008

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT INFORMATION FORM

Facility Permit Contact (See instructions on page 35)	First Name: Michelle	MI: B.	Last Name: Eaglin
	Phone Number: (225) 673-6141		Phone Number Extension: 5590
2. Facility Permit Contract Mailing Address (See instructions on page 35)	Street or P.O. Box: P. O. Box 517		
	City, Town or Village: Geismar		
	State: Louisiana		
	County: Ascension Parish		Zip Code: 70734
3. Legal Owner Mailing Address and Telephone Number (See instructions on page 35)	Street or P.O. Box: P.O. Box 517		
	City, Town or Village: Geismar		
	State: Louisiana		
	County: Ascension Parish	Zip Code: 70734	Phone Number: (225) 673-6141
4. Operator Mailing Address and Telephone Number (See instructions on page 35)	Street or P.O. Box: P.O. Box 517		
	City, Town or Village: Geismar		
	State: Louisiana		
	County: Ascension Parish	Zip Code: 70734	Phone Number: (225) 673-6141
5. Facility Existence Date (See instructions on page 36)	Facility Existence Date (mm/dd/yyyy): 10/15/63 Articles of Incorporation Signed 10/2/1979 (Submission of HW-1 Form)		

6. Other Environmental Permits (See instructions on page 36)

A. Permit Type (Enter Code)	B. Permit Number	C. Description
R	LAD 008213191	RCRA Hazardous Waste effective 1/17/94
R	LAD 008213191-PC-01	Post-Closure Permit for North/South Ponds effective 1/23/98
N	LA 0000892	LPDES Water Permit effective 9/1/02
U	Conservation Order No. 2000-09-WD	Louisiana Department of Natural Resources Conservation Order for Class 1 Hazardous Disposal Wells effective 8/16/00 for four wells
U	EPA Injection Well No Migration Exemption Reissuance	For Four Injection Wells Effective Date 7/27/99
U	Land Disposal Restrictions Exemption/No Alternatives	LDEQ Effective Date 9/21/94
U	Conservation Order No. 2001-02-WD	Louisiana Department of Natural Resources Conservation Order to Construct a Class 1 Hazardous Disposal Well No. 5 effective 10/8/01
Continued Attachment 1	Continued Attachment 1	Continued Attachment 1

7. Nature of Business (Provide a brief description; see instructions on page 37)

Rubicon is a chemical manufacturer of nitrobenzene (NB), aniline, diaminodiphenyl methane (DADPM), and pure and polymeric methylenediphenyl diisocyanate (MDI), phosgene, diphenylamine (DPA), and polyols. Also adsorption and stripping of hydrogen chloride to produce hydrochloric acid. A Maleic Anhydride Plant is currently under construction and is expected to be operational in fourth quarter 2008 or first quarter of 2009.

Rubicon discharges the wastewater from the Praxair Plant that is located adjacent to Rubicon as part of Rubicon's LPDES Permit.

The DNT Unit and Nitric Acid Unit were shut down in October 1998 and March 1999, respectively. The TDA Process Unit was permanently shut down in August 2003. The TDI Unit was shut down in July 2005.

8. Process Codes and Design Capacities (See instructions on page 37)

A. PROCESS CODE - *Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 9.*

B. PROCESS DESIGN CAPACITY- *For each code entered in column A, enter the capacity of the process.*

1. AMOUNT - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*

2. UNIT OF MEASURE - *For each amount entered in column B(1), enter the code in column B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.*

C. PROCESS TOTAL NUMBER OF UNITS - *Enter the total number of units for each corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure Listed Below
	Storage:	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Hour; Liters Per Hour; or Million Btu Per Hour
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces Other Industrial Furnaces Listed in 40 CFR §260.10	
T93		
T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	Miscellaneous (Subpart X)	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Million Btu Per Hour	X

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu Per Hour	I

8. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)			(2) Unit of Measure (Enter Code)	C. Process Total Number Of Units			For Official Use Onl				
X	1	S	0	2	5 3 3 - 7 8 8			G	0	0	1					
	1	S	0	1	Container Storage	35,750	(Diminsions 47 ft by 97 ft)	G	0	0	1					
	2	S	0	2	MS-431	15,200	-	G	0	0	1					
	3	S	0	2	MS-438	2,630	-	G	0	0	1					
	4	S	0	2	MS-603	1,100	-	G	0	0	1					
	5	S	0	2	MS-2303	1,100	-	G	0	0	1					
	6	S	0	2	MS-2207	26,038	-	G	0	0	1					
	7	S	0	2	MS-2230	3,200	-	G	0	0	1					
	8	T	0	1	MF-8603*	199,920	-	G	0	0	1					
	9	T	0	1	MF-8616*	199,920	-	G	0	0	1					
1	0	T	0	1	MF-8638 A*	1,006,983	-	G	0	0	1					
1	1	T	0	1	MF-8638 B*	1,006,983	-	G	0	0	1					
					See Attachment 2 for more		-									

NOTE: IF you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, takin into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item 9.

9. Other Processes (See instructions on page 37 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	(2) Unit of Measure (Enter Code)	C. Process Total Number Of Units	D. Description of Process
[illegible]	1	T	0	4	-			In-situ Vitrification
	1							
	2							
	3							
	4							

10. Description of Hazardous Wastes (See instructions on page 37)

A. EPA HAZARDOUS WASTE NUMBER – *Enter the four digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261, Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. ESTIMATED ANNUAL QUANTITY – *For each listed waste entered in column A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C. UNIT OF MEASURE – *For each quantity entered in column B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASRURE	CODE
METRIC UNIT OF MEASRURE	CODE
POUNDS	P
KILOGRAMS	K
TONS	T
METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate the waste will be stored, treated, and/or disposed at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter '000' in the extreme right box of Item 10.D(1)
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2)

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous waste that can be described by more than on EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on the line enter "included with above" and make no other entries on that line.

3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		A. EPA Hazardous Waste No. (Enter Code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)								(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
	1	K	0	5	4	900	P	T	0	3	D	8	0			
	2	D	0	0	2	400	P	T	0	3	D	8	0			
X	3	D	0	0	1	100	P	T	0	3	D	8	0			
X	4	D	0	0	2											Included With Above

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number		A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
00	1	K 0 8 3	9,111	T	S	0	1							
00	2	D 0 1 8			S	0	2	T	8	0				Included with above
00	3	D 0 3 6												Included with above
00	4	D 0 0 1												Included with above
00	5	U 0 1 2												Included with above
00	6	U 1 6 9												Included with above
00	7	U 0 1 9												Included with above
00	8	All or part of these codes												Included with above
00	9	U 0 1 2	199,104	T	S	0	1							
01	0	U 1 6 9			T	0	1	S	0	2	D	7	9	Included with above
01	1	K 0 8 3												Included with above
01	2	U 0 1 9												Included with above
01	3	D 0 3 6												Included with above
01	4	K 1 0 4												Included with above
01	5	D 0 1 8												Included with above
01	6	D 0 0 7												Included with above
01	7	D 0 0 1												Included with above
01	8	D 0 0 2												Included with above
01	9	All or part of these codes												Included with above
02	0	K 1 0 4	750,863	T	T	0	1	S	0	2	D	7	9	
02	1	D 0 0 2			S	0	1							Included with above
02	2	D 0 1 8												Included with above
02	3	D 0 3 6												Included with above
02	4	All or part of these codes												Included with above
02	5	D 0 3 6	43,314	T	T	0	1	S	0	2	D	7	9	
02	6	D 0 1 8			S	0	1							Included with above
02	7	D 0 0 2												Included with above
02	8	All or part of these codes												Included with above
02	9	D 0 2 1	62	T	S	0	1							
03	0	D 0 1 9			T	0	1	S	0	2	D	7	9	Included with above
03	1	D 0 2 2												Included with above
03	2	D 0 3 9												Included with above
03	3	D 0 0 1												Included with above
03	4	F 0 0 2												Included with above
03	5	D 0 0 2												Included with above
03	6	All or part of these codes												Included with above
03	7	U 0 1 2	30	T	S	0	1							
03	8	D 0 0 2			T	0	1	S	0	2	D	7	9	Included with above
03	9	All or part of these codes												Included with above

Continued on Attachment 3

11. Map (See instructions on page 38)

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluid underground. Include all springs, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

12. Facility Drawing (See instructions on page 39)

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

13. Photographs (See instructions on page 39)

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

14. Comments (See instructions on page 39)

11. See Figure 1 in Appendix B, Section 4 in 8/07 Addendum to the 8/03 Hazardous Waste (HW) Permit Renewal Application (8/07Addendum) and Figure 7B in Appendix D, Section 3 in May 2008 Response to Second Notice of Deficiencies (NODs)

12. See Appendix B, Section 5 in this 8/07 Addendum

13. See Appendix B, Section 6 in this 8/07Addendum

ATTACHMENT 1

A. Permit Type *(Enter Code)*	B. Permit Number	C. Description
U	EPA Injection Well No Migration Exemption Reissuance for Well No. 5	Approval for Well No. 5 Effective Date 11/12/03
U	DNR Approval to Operate Well No. 5	Approval for Well No. 5 Effective Date 12/11/03
U	LDEQ "No Alternatives" Determination Reissuance	For Five Injection Wells Effective Date 5/3/04
E	2261-V2	Aniline 2 Part 70 Operating Air Permit effective 9/26/05
E	2391-V8	MDI Plant Part 70 Operating Air Permit effective 1/18/2007
E	2278-V0	Reductions Plant Part 70 Operating Air Permit effective 10/28/02
E	2420-V1	Offsite Area Part 70 Operating Air Permit Issued December 21, 2007.
E	2010-V0	Polyols Plant Part 70 Operating Air Permit issued 12/18/04
E	3037-V0	Maleic Anhydride Plant Part 70 Operating Permit, isssued 3/21/07
E	Authorization Number OC-0358	Order to Close Solid Waste Impoundment (11/8/07)
Applications Submitted to LDEQ		
E	Solid Waste Permit Application for NPDES Pond	Submitted 12/93 and updated 5/94
E	Class 3 Permit Modification for BIF Units (LAD 008213919)	Submitted 10/94
E	Hazardous Waste Permit Renewal Application (LAD008213191)	Submitted 8/03
E	Reductions Plant Part 70 Operating Renewal Permit Application (2278-V0)	Submitted 4/07
E	Post Closure Renewal Application LAD 008213191 PC-01	Submitted 7/07
E	Minor Air Permit Modification for Aniline Complex (2261-V2)	Submitted 3/08
E	LPDES Renewal Application (LA 0000892)	Submitted 2/07
E	Minor Modification to the Maleic Anhyride Air Permit (3037-V0)	Submitted 12/07
E	Minor Modification to the MDI Complex Air Permit (2391-V8)	Submitted 6/08
Applciations Submitted to EPA		
E	EPA Injection Well No Migration Exemption Reissuance	Submitted 1/05

ATTACHMENT 2

Process Codes and Design Capacities (Continued)						
		B. Process Design Capacity				
Line Number	A. Process Code (From list above)	(1)Amount	(Specify)	(2) Units of Measure (Enter code)	C. Process Total Number of Units	For Official Use Only
12	T01	MF-8638 C* 1,006,983		G	001	
		* pH adjustment from optimum injectivity and dissolution of salts				
13	S02	MF-8275	199,4062	G	001	
14	S02	MS-8632	32,200	G	001	
15	S02	MS-8648	280	G	001	
16	T80	DPA 1 Superheater	27	X	001	
17	T80	DPA 2 Superheater	18	X	001	
18	T80	Aniline 2 BIF Unit	30	X	001	
19	T01	GF-8189A[ε]	1.31E+06	U	001	
20	T01	GF-8189B[ε]	1.31E+06	U	001	
21	T01	GF-8189C[ε]	1.31E+06	U	001	
22	T01	GF-8189D[ε]	1.31E+06	U	001	
23	T01	GF-8189E[ε]	1.31E+06	U	001	
		[ε] Based on permitted monthly injection volume per injection interval in Conservation Order 2000-09 WD. Total monthly permitted volume divided by 30 days and divided by 5 sand filters.				
24	D79	Deepwell No. 1	⊕	U	001	
25	D79	Deepwell No. 3	⊕	U	001	
26	D79	Deepwell No. 4	⊕	U	001	
27	D79	Deepwell No. 5	⊕	U	001	

⊕ Conservation Orders 2000-09-WD and 2001-02-WD

Injection Intervals Name	Disposal Wells	Monthly Injection Volume Per Injection Interval (gallons/month)	Monthly Injection Volume Per Injection Interval (gallons/day) (Based on 30 days)
Upper "B" Sand	1	32,400,000	1,080,000
Lower "B" Sand	1	38,880,000	1,296,000
"D" Sand	1, 3, 4 & 5	43,200,000	1,440,000
"4,800 FT" Sand	1, 3, 4 & 5	82,080,000	2,736,000

ATTACHMENT 3

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number	A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
04 0	U 0 1 2	316,795	T	S 0 1	
04 1	F 0 0 2			T 0 1 S 0 2 D 7 9	Included with above
04 2	U 0 3 7				Included with above
04 3	U 1 2 2				Included with above
04 4	D 0 2 1				Included with above
04 5	D 0 3 9				Included with above
04 6	D 0 1 9				Included with above
04 7	D 0 2 2				Included with above
04 8	D 0 0 7				Included with above
04 9	D 0 0 1				Included with above
05 0	P 0 9 5				Included with above
05 1	D 0 0 2				Included with above
05 2	All or part of these codes				Included with above
05 3	D 0 0 2	36,863	T	T 0 1 S 0 2 D 7 9	
05 4	D 0 2 1			S 0 1	Included with above
05 5	D 0 1 9				Included with above
05 6	All or part of these codes				Included with above
05 7	D 0 0 2	371,362	T	T 0 1 S 0 2 D 7 9	
05 8	D 0 2 3			S 0 1	Included with above
05 9	All or part of these codes				Included with above
06 0	D 0 3 6	2,711	T	T 0 1 S 0 2 D 7 9	
06 1	D 0 2 1			S 0 1	Included with above
06 2	D 0 1 8				Included with above
06 3	D 0 0 1				Included with above
06 4	All or part of these codes				Included with above
06 5	D 0 0 2	1,001,259	T	T 0 1 S 0 2 D 7 9	
06 6	D 0 2 1			S 0 1	Included with above
06 7	D 0 2 2				Included with above
06 8	D 0 1 9				Included with above
06 9	D 0 3 9				Included with above
07 0	All or part of these codes				Included with above
07 1	K 1 1 2	23,616	T	S 0 1	
07 2	K 1 1 4			T 0 1 S 0 2 D 7 9	
07 3	K 0 8 3				Included with above
07 4	K 1 1 5				Included with above
07 5	U 1 6 9				Included with above
07 6	U 2 2 1				Included with above
07 7	U 0 1 2				Included with above
07 8	U 1 0 5				Included with above
07 9	U 1 0 6				Included with above
08 0	Continued on Next Page				Included with above

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

								(1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
08	1	D	0	0	1												
08	2	D	0	0	2												Included with above
08	3	D	0	0	7												Included with above
08	4	D	0	1	8												Included with above
08	5	D	0	3	6												Included with above
08	6	D	0	3	0												Included with above
08	7	All or part of these codes															Included with above
08	8	D	0	1	8	42,826	T	T	0	1	S	0	2	D	7	9	
08	9	D	0	0	2			S	0	1							Included with above
09	0	D	0	3	0												Included with above
09	1	All or part of these codes															Included with above
09	2	U	1	1	5	2,826	T	S	0	1							
09	3							T	0	1	S	0	2	D	7	9	Included with above
09	4	U	1	0	2	40	T	S	0	1							
09	5	U	2	2	1			T	0	1	S	0	2	D	7	9	Included with above
09	6	U	1	1	5												Included with above
09	7	D	0	0	2												Included with above
09	8	D	0	0	1												Included with above
09	9	D	0	2	1												Included with above
10	0	U	1	2	1												Included with above
10	1	F	0	0	3												Included with above
10	2	All or part of these codes															Included with above
10	3	F	0	0	2	26	T	S	0	1							
10	4	F	0	0	3			T	0	1	S	0	2	D	7	9	Included with above
10	5	F	0	0	5												Included with above
10	6	D	0	0	1												Included with above
10	7	D	0	2	1												Included with above
10	8	D	0	2	2												Included with above
10	9	D	0	4	0												Included with above
11	0	D	0	2	7												Included with above
11	1	D	0	1	1												Included with above
11	2	D	0	0	5												Included with above
11	3	All or part of these codes															Included with above
11	4	F	0	0	2	11	T	S	0	1							
11	5	F	0	0	3			T	0	1	S	0	2	D	7	9	Included with above
11	6	F	0	0	5												Included with above
11	7	P	0	4	8												Included with above
11	8	P	0	2	2												Included with above
11	9	U	1	5	4												Included with above
12	0	D	0	1	8												Included with above
12	1	D	0	2	1												Included with above
12	2	D	0	3	0												Included with above
12	3	Continued on Next Page															

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number		A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
12	4	D 0 2 7												Included with above
12	5	D 0 3 6												Included with above
12	6	D 0 1 9												Included with above
12	7	D 0 4 0												Included with above
12	8	D 0 0 1												Included with above
12	9	D 0 0 7												Included with above
13	0	D 0 3 8												Included with above
13	1	D 0 1 1												Included with above
13	2	D 0 0 5												Included with above
13	3	D 0 0 2												Included with above
13	4	D 0 0 4												Included with above
13	5	All or part of these codes												
13	6	L A B P	37	T	S	0	1							
13	7	P 0 1 2			T	0	1	S	0	2	D	7	9	Included with above
13	8	U 1 5 1												Included with above
13	9	D 0 0 9												Included with above
14	0	All or part of these codes												Included with above
14	1	D 0 0 2	1	T	S	0	1							
14	2	D 0 3 6			T	0	1	S	0	2	D	7	9	Included with above
14	3	D 0 0 1												Included with above
14	4	D 0 0 9												Included with above
14	5	All or part of these codes												Included with above
14	6	F 0 0 2	6,575	T	T	0	1	S	0	2	D	7	9	
14	7	F 0 0 3			S	0	1							Included with above
14	8	F 0 0 5												Included with above
14	9	D 0 0 2												Included with above
15	0	D 0 2 1												Included with above
15	1	D 0 3 6												Included with above
15	2	D 0 4 0												Included with above
15	3	D 0 3 0												Included with above
15	4	D 0 3 5												Included with above
15	5	D 0 0 5												Included with above
15	6	D 0 2 7												Included with above
15	7	P 0 2 2												Included with above
15	8	D 0 3 8												Included with above
15	9	D 0 1 1												Included with above
16	0	D 0 0 7												Included with above
16	1	D 0 1 9												Included with above
16	2	D 0 2 2												Included with above
16	3	All or part of these codes												Included with above

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number		A. EPA Hazardous Waste No. (Enter Code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
16	4	U	0	6	9	14	T	S	0	1							
16	5	U	1	4	7			T	0	1	S	0	2	D	7	9	Included with above
16	6	D	0	0	1												Included with above
16	7	F	0	0	3												Included with above
16	8	F	0	0	5												Included with above
16	9	D	0	3	8												Included with above
17	0	D	0	0	2												Included with above
17	1	D	0	0	7												Included with above
17	2	D	0	0	8												Included with above
17	3	U	1	6	1												Included with above
17	4	U	2	1	3												Included with above
17	5	U	0	0	3												Included with above
17	6	U	0	0	8												Included with above
17	7	U	1	9	0												Included with above
17	8	U	2	1	0												Included with above
17	9	U	1	8	8												Included with above
18	0	U	1	9	6												Included with above
18	1	U	0	5	6												Included with above
18	2	All or part of these codes															Included with above
18	3	D	0	0	2	2,192	T	T	0	1	S	0	2	D	7	9	
3	4	D	0	1	8			S	0	1							Included with above
18	5	All or part of these codes															
18	6	D	0	2	7	12,362	T	S	0	1							
18	7	D	0	2	1			T	0	1	S	0	2	D	7	9	Included with above
18	8	K	1	0	4												Included with above
18	9	F	0	0	2												Included with above
19	0	U	0	3	7												Included with above
19	1	U	1	6	9												Included with above
19	2	U	0	1	2												Included with above
19	3	U	1	2	2												Included with above
19	4	U	2	2	1												Included with above
19	5	U	0	1	9												Included with above
19	6	D	0	0	7												Included with above
19	7	D	0	0	8												Included with above
19	8	D	0	3	0												Included with above
19	9	K	0	8	3												Included with above
20	0	U	2	2	3												Included with above
20	1	F	0	0	3												Included with above
20	2	F	0	0	5												Included with above
20	3	D	0	0	1												Included with above
1	4	D	0	2	2												Included with above
20	5	Continued on Next Page															

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number		A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
20	6	D 0 1 9												Included with above
20	7	D 0 3 9												Included with above
20	8	D 0 3 6												Included with above
20	9	D 0 1 8												Included with above
21	0	U 0 6 9												Included with above
21	1	U 1 4 7												Included with above
21	2	D 0 0 2												Included with above
21	3	K 1 1 2												Included with above
21	4	U 0 7 0												Included with above
21	5	U 1 0 5												Included with above
21	6	U 1 0 6												Included with above
21	7	U 0 8 0												Included with above
21	8	K 1 1 4												Included with above
21	9	K 1 1 5												Included with above
22	0	All or part of the above												
22	1	D 0 1 8	2,214	T	S	0	1							
22	2	D 0 3 0			T	0	1	S	0	2	D	7	9	Included with above
22	3	D 0 3 9												Included with above
22	4	D 0 3 6												Included with above
22	5	D 0 2 1												Included with above
22	6	D 0 1 9												Included with above
22	7	D 0 2 7												Included with above.
22	8	D 0 2 2												Included with above
22	9	All or part of the above												Included with above
23	0	F 0 0 3	14	T	S	0	1							
23	1	F 0 0 5			T	0	1	S	0	2	D	7	9	Included with above
23	2	D 0 0 1												Included with above
23	3	D 0 3 5												Included with above
23	4	D 0 0 5												Included with above
23	5	D 0 1 8												Included with above
23	6	All or part of these codes												Included with above
23	7	D 0 2 7	7,785	T	S	0	1							
23	8	F 0 0 2			T	0	1	S	0	2	D	7	9	Included with above
23	9	U 2 2 3												Included with above
24	0	U 2 2 1												Included with above.
24	1	U 0 7 0												Included with above
24	2	D 0 1 9												Included with above
24	3	D 0 3 9												Included with above
24	4	D 0 2 2												Included with above
24	5	U 0 3 7												Included with above
1	6	Continued on Next Page												Included with above

Line Number	A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)					
24 7	U 1 2 2				Included with above
24 8	D 0 2 1				Included with above
24 9	U 0 1 2				Included with above
25 0	K 1 1 2				Included with above
25 1	D 0 3 0				Included with above
25 2	D 0 1 8				Included with above
25 3	D 0 3 6				Included with above
25 4	K 1 1 4				Included with above
25 5	K 1 1 5				Included with above
25 6	U 1 6 9				Included with above
25 7	K 0 8 3				Included with above
25 8	K 1 0 4				Included with above
25 9	U 0 1 9				Included with above
26 0	D 0 0 5				Included with above
26 1	D 0 0 8				Included with above
26 2	D 0 0 7				Included with above
26 3	D 0 0 6				Included with above
26 4	D 0 1 1				Included with above
26 5	D 0 0 9				Included with above
26 6	D 0 0 1				Included with above
26 7	F 0 0 1				Included with above
26 8	F 0 0 3				Included with above
26 9	U 1 0 5				Included with above
27 0	U 1 0 6				Included with above
27 1	U 1 1 5				Included with above
27 2	D 0 4 0				Included with above
27 3	D 0 3 5				Included with above
27 4	F 0 0 5				Included with above
27 5	U 0 8 3				Included with above
27 6	U 0 6 9				Included with above
27 7	U 1 4 7				Included with above
27 8	D 0 0 2				Included with above
27 9	D 0 0 3				Included with above
28 0	U 0 8 0				Included with above
28 1	P 0 9 5				Included with above
28 2	P 0 9 6				Included with above
28 3	All or part of the above				Included with above
28 4	D 0 1 8 5		T	S 0 1	
28 5	D 0 3 5			T 0 1 S 0 2 D 7 9	Included with above
28 6	D 0 4 0				Included with above
28 7	D 0 3 9				Included with above
28 8	D 0 0 6				Included with above
28 9	Continued on Next Page				Included with above

10. Description of Hazardous Wastes (Continued; use additional sheets as necessary)

Line Number		A. EPA Hazardous Waste No. (Enter Code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
29	0	D 0 0 8												Included with above
29	1	D 0 0 1												Included with above
29	2	D 0 0 7												Included with above
29	3	F 0 0 3												Included with above
29	4	All or part of the above												Included with above
29	5	D 0 0 2	9,014	T	T	0	1	S	0	2	D	7	9	
29	6	D 0 1 8			S	0	1							Included with above
29	7	D 0 3 0												Included with above
29	8	D 0 3 6												Included with above
29	9	D 0 2 1												Included with above
30	0	D 0 2 7												Included with above
30	1	All or part of the above												Included with above
30	2	U 1 6 9	18,425	T	T	0	1	S	0	2	D	7	9	
30	3	D 0 2 1			S	0	1							Included with above
30	4	D 0 3 6												Included with above
30	5	D 0 1 8												Included with above
30	6	D 0 3 0												Included with above
30	7	D 0 2 7												Included with above
30	8	All or part of the above												Included with above
31	9	U 1 4 7	165,611	T	S	0	1							
31	0	U 0 6 9			T	0	1	S	0	2	D	7	9	Included with above
31	1	D 0 0 2												Included with above
31	2	All or part of these codes												Included with above
31	3	D 0 0 2	117,585	T	T	0	1	S	0	2	D	7	9	
31	4				S	0	1							Included with above
31	5	D 0 0 1	5	T	S	0	1							
31	6	D 0 0 2			T	0	1	S	0	2	D	7	9	Included with above
31	7	All or part of the above												

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LIST OF ATTACHMENTS

BODY
OF
PERMIT

FINAL
HAZARDOUS WASTE OPERATING RENEWAL PERMIT

Rubicon, LLC
EPA ID# LAD 008 213 191
Agency Interest# 1468

Ascension Parish
Geismar, Louisiana
PER20030014
Permit Number LAD 008213191-OP-RN-1

I. PERMIT PREAMBLE

This Permit is issued to Rubicon, LLC, hereinafter referred to as the Permittee, by the Louisiana Department of Environmental Quality (LDEQ) under authority of the Louisiana Hazardous Waste Control Law, R.S. 30:2171 et seq., and the regulations adopted thereunder.

For the purposes of the Permit, "Administrative Authority" shall mean the Secretary of the Department of Environmental Quality, or his/her designee.

This Permit is based on information submitted in the Permit Application, and all subsequent amendments, and on the applicant's certification that such information is accurate and that all facilities were or will be maintained and operated as specified in the application.

This Permit is conditioned upon full compliance with all applicable provisions of the Louisiana Hazardous Waste Control Law, R.S. 30:2171 et. Seq., and the regulations adopted thereunder.

GLOSSARY OF TERMS

For the purpose of this Permit, terms used herein shall have the same meaning as those in LAC 33:V.Subpart 1 unless the context of use in this Permit clearly indicates otherwise. Where terms are not otherwise defined, the meaning otherwise associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

"Administrative Authority" means the Secretary of the Department of Environmental Quality or his designee or the appropriate assistant secretary or his designee.

"Application" refers to the RCRA Part B Permit Application and subsequent amendments submitted by the Permittee for obtaining a Permit.

"CWA" means Clean Water Act.

"Corrective Action" is an activity conducted to protect human health and the environment.

"Department" means the Louisiana Department of Environmental Quality (LDEQ)

"EPA" means the United States Environmental Protection Agency.

"HSWA" means the 1984 Hazardous and Solid Waste Amendments to RCRA.

"Hazardous Constituent" means any constituent identified in LAC 33:V.Chapter 31. Table 1, or any constituent identified in LAC 33:V.3325. Table 4.

"LDEQ" means the Louisiana Department of Environmental Quality.

"Operating Record" means written or electronic records of all maintenance, monitoring, inspection, calibration, or performance testing—or other data as may be required—to demonstrate compliance with this Permit, document noncompliance with this Permit, or document actions taken to remedy noncompliance with this Permit. A minimum list of documents that must be included in the operating record are identified at LAC 33:V.1529.B.

"Permittee" means Rubicon, LLC, Post Office Box 517, Geismar, Louisiana 70734.

"RCRA Permit" means the full Permit, with RCRA and HSWA portions.

"SARA" means Superfund Amendments and Reauthorization Action of 1986.

"Stabilization" is an action taken for the purpose of controlling or abating threats to human health or the environment from releases or preventing or minimizing the further spread of contaminants while long-term remedies are pursued.

If, subsequent to the issuance of this Permit, regulations are promulgated which redefine any of the above terms, the Administrative Authority may, at its discretion, apply the new definition to this Permit.

All regulating citations are defined as being the regulations in effect on the date of issuance of this Permit. New and/or amended regulations are not included as Permit requirements until Permit modification procedures as specified in Condition II.C. of the Permit and LAC 33:V.321 are completed.

II. GENERAL PERMIT CONDITIONS

II.A. DURATION OF PERMIT

This Permit is effective as of the date indicated on the accompanying signature page and shall remain in effect for a maximum period of ten (10) years from the effective date, unless suspended, modified, revoked and reissued or terminated for just cause.

II.B. EFFECT OF PERMIT

This Permit authorizes the Permittee to store and treat hazardous waste in accordance with the conditions of this Permit. The Permittee is prohibited from any storage, treatment or disposal of hazardous waste not authorized by statute, regulation or this Permit. Compliance with this Permit and the LAC 33:V.Subpart 1, constitutes compliance, for purposes of enforcement, with Subtitle C of RCRA and Chapter 9 of the Louisiana Environmental Quality Act (Act). However, compliance with the terms of this Permit does not constitute a defense to any order issued or any action brought under Condition 3013 or Condition 7003 of RCRA, or under Condition 106 (a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) {42 U.S.C. 9606 (a)}.

In accordance with LAC 33:V.307.B and C, issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations.

II.C. PERMIT ACTIONS

Any inaccuracies found in the Permit application may be cause for revocation or modification of this Permit. The Permittee must inform the Administrative Authority of any deviation from, changes or inaccuracies in the information in the Permit application.

The Administrative Authority may also suspend, modify, revoke and reissue, or terminate for cause when necessary to be protective of human health or the environment as specified in 40 CFR 270.41, 270.42, 270.43 or LAC 33:V.309.F, 311.A or 323. The Administrative Authority may modify the Permit when the standards or regulations on which the Permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the Permit was issued.

The filing of a request for Permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of Permittee does not stay the applicability or enforceability of any Permit condition.

II.D. SEVERABILITY

The conditions of this Permit are severable and if any provision of this Permit or the application of any provision of this Permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

II.E. DUTIES AND REQUIREMENTS

II.E.1. Duty to Comply

The Permittee shall comply with all conditions of this Permit, except to the extent and for the duration such noncompliance may be authorized by an emergency Permit. Any Permit noncompliance, other than noncompliance authorized by an emergency Permit (LAC 33:V.701), constitutes a violation of the LAC 33:V.Subpart 1 and the Environmental Quality Act and is grounds for enforcement action which may include Permit termination, Permit revocation and reissuance, Permit modification, or denial of Permit renewal application.

II.E.2. Duty to Reapply

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, the Permittee must reapply for the Permit as required by the LAC 33:V.303.N and 309.B. Notification shall be at least 180 calendar days before the Permit expires.

II.E.3. Permit Extension

This Permit and all conditions herein will remain in effect beyond the Permit's expiration date until the Administrative Authority issues a final decision on the re-application, provided the Permittee has submitted a timely, complete new Permit application as provided in LAC 33:V.309.B and 315.A.

II.E.4. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.

II.E.5. Duty to Mitigate

The Permittee shall immediately take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit as required by LAC 33:V.309.D.

II.E.6. Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related ancillary equipment) that are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the Permit.

II.E.7. Duty to Provide Information

The Permittee shall furnish to the Administrative Authority, within a reasonable time, any information which the Administrative Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit, or to determine compliance with this Permit. The Permittee shall also furnish to the Administrative Authority upon request, copies of records required by this Permit.

II.E.8. Inspection and Entry

The Permittee shall allow the Administrative Authority or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

II.E.8.a. enter upon the Permittee's premises where a regulated activity is located or conducted, or where records must be maintained under the conditions of this Permit;

II.E.8.b. have access to and copy, at reasonable times, any records that must be maintained under the conditions of this Permit;

II.E.8.c. inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operation regulated or required under this Permit; and

II.E.8.d. sample or monitor, at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by the Administrative Authority any substances or parameters at any location.

II.E.9. Sample Monitoring and Records

II.E.9.a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261. Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, "SW-846", latest revision; Manual of Ground Water Quality Sampling Procedures, 1981, EPA-600/2-81-160, as revised; Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities, 1977, EPA-530/SW-611, as revised; or an equivalent method as specified in the attached Waste Analysis Plan referenced in Attachment 1.

II.E.9.b. Records of monitoring information shall include:

II.E.9.b.(1) the date, exact place, and time of sampling or measurements;

II.E.9.b.(2) the name(s) and signature(s) of the individual(s) who performed the sampling or measurements:

II.E.9.b.(3) the date(s) analyses were performed;

II.E.9.b.(4) the name(s) and signature(s) of the individual(s) who performed the analyses;

II.E.9.b.(5) the analytical techniques or methods used;

II.E.9.b.(6) the results of such analyses; and

II.E.9.b.(7) associated quality assurance performance data.

II.E.9.c. Laboratory Quality Assurance/Quality Control

In order to ensure the accuracy, precision, and reliability of data generated for use, the Permittee shall submit a statement, certified as specified in LAC 33:V.513 and included in the annual report, indicating that:

II.E.9.c.(1) any commercial laboratory providing analytical results and test data to the Department required by this Permit is accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) in accordance with LAC 33:I. Subpart 3, Chapter 45. Laboratory data generated by commercial laboratories not accredited under LELAP will not be accepted by the Department.

LAC 33:I. Subpart 3 (Chapters 45-49) provides requirements for the accreditation program. Regulations and a list of labs that have applied for accreditation are available on the LDEQ website located at: http://www.deq.louisiana.gov/portal/tabid/2412/Default.aspx.

In accordance with LAC 33:V.4501, the requirements for LELAP accreditation applies whenever data is:

- submitted on behalf of a facility;
- required as part of a Permit application;
- required by order of the Department;
- required to be included in a monitoring report submitted to the Department;
- required to be submitted by contract; or

- otherwise required by the Department regulations.

This includes, but is not limited to data from RCRA Trial Burns, Risks Burns, Risk Assessments, MACT Comprehensive Performance Tests, and data used for continuing compliance demonstrations.

II.E.9.c.(2) If the Permittee decides to use their own in-house laboratory for test and analysis, the laboratory is not required to be accredited by LELAP. However, the laboratory must document quality assurance/quality control procedures.

II.E.9.c.(3) For approval of equivalent testing or analytical methods, the Permittee may petition for a regulatory amendment under LAC 33:V.105.I and LAC 33:I Chapter 9. In cases where an approved methodology for a parameter/analyte is not available or listed, a request to utilize an alternate method shall be submitted to the Administrative Authority for approval. Documentation must be submitted to the LDEQ that will verify that the results obtained from the alternate method are equal to or better than those obtained from EPA-accepted methods, as well as those deemed equivalent by the LDEQ.

II.E.10. Retention of Records

The Permittee shall maintain records through the active life of the facility (including operation, closure and post-closure periods) as required by LAC 33:V.309.J and LAC 33:V.1529.A, B, and C. All records, including plans, must be furnished upon request and made available at all reasonable times as required by LAC 33:V.1529.C.

File copies shall be kept for LDEQ inspection for a period of not less than three years as required by LAC 33:V.317.B.

The Permittee shall, for the life of the Permit, maintain records of all data used to complete the application for this Permit and any supplemental information submitted under the Louisiana Hazardous Waste Control Law (LA. R.S. 30:2171 et seq.).

II.E.11. Notices of Planned Physical Facility Changes

The Permittee shall give notice to the Administrative Authority, as soon as possible, of any planned physical alterations or additions to the Permitted facility, in accordance with LAC 33:V.309.L.1.

II.E.12. Physical Facility after Modification

For any new or existing unit being modified, the Permittee may not manage hazardous waste in the modified portion of the unit until the unit is complete and:

II.E.12.a. the Permittee has submitted to and received approval from the Administrative Authority, by certified mail or hand delivery, a letter signed by the Permittee and an independent registered professional engineer stating that the unit is complete and has been constructed or modified in compliance with the Permit; and

II.E.12.b. the Administrative Authority has inspected the modified unit following a request to make final inspection by the Permittee and finds it is in compliance with the conditions of the Permit and all applicable Conditions of LAC 33:V.Subpart 1, and has issued an Order to Proceed. The Permittee may then commence treatment, storage, or disposal of hazardous waste.

II.E.13. Anticipated Noncompliance

The Permittee shall give advance notice to the Administrative Authority of any planned changes in the Permitted facility or activity that may result in noncompliance with Permit requirements.

II.E.14. Transfer of Permits

This Permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to LAC 33:V.309.L.4, 321.B, 321.C.4, and 1531.

II.E.15. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than fourteen (14) days following each schedule date as required by LAC 33:V.309.L.6.

II.E.16. Noncompliance Reporting

The Permittee shall report orally within twenty-four (24) hours any noncompliance with the Permit that may endanger human health or the environment, except where more immediate notification is required by LAC 33:I.3901, et seq. ("Notification Regulation and Procedures for Unauthorized Discharges" dated November 19, 1985, as amended.) This report shall include the following:

II.E.16.a. information concerning the release of any hazardous waste that may endanger public drinking water supplies; and

II.E.16.b. information concerning the release or discharge of any hazardous waste, or of a fire or explosion at the facility, that could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

II.E.16.b.(1) name, address, and telephone number of the owner or operator;

II.E.16.b.(2) name, address, and telephone number of the facility;

II.E.16.b.(3) date, time, and type of incident;

II.E.16.b.(4) name and quantity of materials involved;

II.E.16.b.(5) the extent of injuries, if any;

II.E.16.b.(6) an assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable; and

II.E.16.b.(7) estimated quantity and disposition of recovered material that resulted from the incident.

II.E.17. Follow-up Written Report of Noncompliance

The Permittee shall provide a written submission within five (5) days after the time the Permittee becomes aware of any noncompliance which may endanger human health or the environment. However, where more immediate submission is required by LAC 33:I.3901, "Notification Regulations and Procedures for Unauthorized Discharges" dated November 19, 1985, as amended, the report shall be submitted in accordance with those regulations. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times); whether the noncompliance has been corrected; and if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. If the Administrative Authority waives the requirement, then the Permittee submits a written report within fifteen (15) days after the time the Permittee becomes aware of the circumstances, as required by LAC 33:V.309.L.7.

II.E.18. Other Noncompliance

The Permittee shall report all other instances of noncompliance not otherwise required to be reported above, at the time required monitoring reports are submitted. The reports shall contain the information listed in Condition II.E.16 above.

II.E.19. Other Information

Whenever the Permittee becomes aware that it failed to submit any relevant facts in the Permit application, or that it submitted incorrect information in a Permit application, or in any report to the Administrative Authority, the Permittee shall promptly submit such facts or information.

II.E.20. Signatory Requirement

All applications, reports or other information submitted to the Administrative Authority shall be signed and certified according to LAC 33:V.507, 509, 511, and 513.

II.E.21. Schedule of Compliance

II.E.21.a. Compliance with LAC 33:V.1907 - Within one hundred and eighty (180) days of the effective date of this Permit, the Permittee shall submit for review and approval by the Administrative Authority one of the following:

II.E.21.a.(1). A plan for installing impermeable coatings for each permitted tank system designated in Table 7 of this Permit that utilizes a bare concrete external liner system to meet the secondary containment requirement. The plan must contain the following items: 1) engineering specifications for the impermeable coatings and preparation and treatment of joints that will be utilized, including compatibility with the waste being stored; and 2) a proposed schedule for completing the installation of the impermeable coatings; or

II.E.21.a.(2). Information demonstrating that the secondary containment system for each permitted tank system designated in Table 7 of this Permit that utilizes a bare concrete external liner system meets all requirements of LAC 33:V.1907. The submittal must contain documentation including, but not limited to, the following information:

II.E.21.a.(2).a. detailed information on the secondary containment system, including, but not limited to: 1) the design and installation specifications for any concrete joints; 2) the characteristics of any joint sealant used, including its compatibility with the waste stored in the tank system; and 3) the characteristics of the concrete mix design and any American Concrete

Institute or other applicable codes used;

II.E.21.a.(2).b. the physical and chemical characteristics of the waste in the tank system, including its potential for migration and compatibility with the containment system;

II.E.21.a.(2).c. any other factors that influence the quality and mobility of hazardous constituents and the potential for them to migrate through the external liner system to the environment.

II.E.21.b. If the Permittee chooses to comply with Condition II.E.21.a.(1), within thirty (30) days of installing the impermeable coatings discussed in Permit Condition II.E.21.a.(1), the Permittee shall submit an installation inspection report of the impermeable coatings certified by an independent, qualified, Louisiana registered professional engineer.

II.E.21.c. **Proposed Changes Specific to Tanks MS-431, MS-603, and MS-2207** - Within sixty (60) days of the effective date of this Permit, the Permittee shall submit for review and approval by the Administrative Authority, a schedule for the initiation and completion of the proposed changes to the secondary containment areas of Tank MS-431, Tank MS-603, and Tank MS-2207.

II.E.21.d. Within thirty (30) days of completing the construction of the proposed changes to the secondary containment areas discussed in Condition II.E.21.c, the Permittee shall submit an installation inspection report for the secondary containment areas, certified by an independent, qualified, Louisiana registered professional engineer.

II.E.21.e. Updated Financial Assurance - Within thirty (30) days of the effective date of this Permit, the Permittee shall submit updated Financial Assurance information in accordance with LAC 33:V.Chapter 37.

II.E.22. Additional Operating Standards

(RESERVED)

II.E.23. Updated Documents To Be Submitted Prior To Operation

(RESERVED)

II.E.24. Documents To Be Maintained at Facility Site

II.E.24.a. The Permittee shall maintain at the facility, until closure is completed and certified by an independent Louisiana registered professional engineer, the following documents and any amendments, revisions, and modifications to these documents. Any revision or changes shall be submitted with the annual report unless previously submitted.

II.E.24.a.(1) Waste Analysis Plan submitted in accordance with LAC 33:V.1519 (see Attachment 1).

II.E.24.a.(2) Personnel Training Plan and the training records as required by LAC 33:V.1515 (see Attachment 1).

II.E.24.a.(3) Contingency Plan prepared in accordance with LAC 33:V.1513 (see Attachment 1).

II.E.24.a.(4) Arrangements with local authorities in accordance with LAC 33:V.1511.G. (see Attachment 1).

II.E.24.a.(5) Closure Plan submitted in accordance with LAC 33:V.3511 and any post-closure care requirements that may be required initially or through Permit modifications in accordance with LAC 33:V.3523 (see Attachment 1).

II.E.24.a.(6) Cost estimate for facility closure care submitted in accordance with LAC 33:V.3705 and any post-closure cost estimate that may be required initially or through Permit modifications in accordance with LAC 33:V.3709 (see Attachment 1).

II.E.24.a.(7) Operating records as required by LAC 33:V.1529, 1911.D, 2115.D, and 3005.H.

II.E.24.a.(8) Inspection Plan developed in accordance with LAC 33:V.517.G and 1509.B (see Attachment 1).

II.E.24.a.(9) Security Plan developed in accordance with LAC 33:V.1507 (see Attachment 1).

II.E.24.b. All proposed amendments, revisions and modifications to any plan or cost estimates required by this Permit shall be submitted to the Administrative Authority for approval and in accordance with LAC 33:V.321.

II.E.25. Annual Report

An annual report shall be submitted covering all hazardous waste units and their activities during the previous calendar year as required by LAC 33:V.1529.D.

II.E.26. Manifest

The Permittee shall report manifest discrepancies and un-manifested waste as required by LAC 33:V.309.L.8 and 9.

II.E.27. Emissions

Emissions from any hazardous waste facility shall not violate the Louisiana Air Quality Regulations. If air quality standards are exceeded, the site will follow air regulation protocol.

II.E.28. Waste Discharges

Waste discharges from any hazardous waste facility shall not violate the Louisiana Water Quality Regulations. If water standards are exceeded, the site will follow water quality regulation protocol.

II.E.29. Non-Listed Hazardous Waste Facilities

This Permit is issued for those hazardous waste facilities listed in Condition IV (Permitted Facilities). If the Permittee determines that a non-permitted hazardous waste facility exists, the Permittee must immediately notify the Administrative Authority in accordance with Condition II.E.18 of the General Permit Conditions.

II.E.30. Compliance With Land Disposal Restrictions

The Permittee shall comply with those land disposal restrictions set forth in LA. R.S. 30:2193, all applicable regulations promulgated thereunder.

II.E.31. Establishing Permit Conditions

Permits for facilities with pre-existing groundwater contamination are subject to all limits, conditions, remediation and corrective action programs designated under LAC 33:V.311.D and LAC 33:V.3303.

II.E.32. Obligation for Corrective Action

Owners or operators of hazardous waste management units must have all necessary Permits during the active life of the unit and for any period necessary to comply with the corrective action requirements in Condition VIII to be outlined in the Permittee's Final Post-Closure Renewal Permit for the North and South Ponds issued at a later date.

II.E.33. Attachments and Documents Incorporated by Reference

All attachments and documents required by this Permit, including all plans and schedules, are incorporated, upon approval by the Administrative Authority, into this Permit by reference and become an enforceable part of this Permit. Since required items are essential elements of this Permit, failure to submit any of the required items or submission of inadequate or

insufficient information may subject the Permittee to enforcement action, which may include fines, suspension, or revocation of the Permit.

Any noncompliance with approved plans and schedules shall be termed noncompliance with this Permit. Written requests for extension of due dates for submittals may be granted by the Administrative Authority.

If the Administrative Authority determines that actions beyond those provided for, or changes to what is stated herein, are warranted, the Administrative Authority may modify this Permit according to procedures in LAC 33:V.321.

III. GENERAL PERMIT CONDITIONS

III.A. DESIGN AND OPERATION OF ALL FACILITIES

III.A.1. The Permittee must maintain and operate all facilities to minimize the possibility of a fire, explosion, or any unauthorized sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or water that could threaten human health or the environment.

III.A.2. The Permittee shall not receive for treatment, storage, or disposal any hazardous waste generated outside the United States or its territories, in accordance with LA. R.S. 30:2189 of the Louisiana Environmental Quality Act.

III.A.3. No off-site generated hazardous wastes may be shipped to the Geismar facility (LAD 008213191) for storage, treatment, and/or disposal.

III.B. REQUIRED NOTICE

(RESERVED)

III.C. GENERAL WASTE ANALYSIS

The Permittee shall follow the procedures described in the Waste Analysis Plan referenced in Attachment 1 and in accordance with LAC 33:V.1519.

III.C.1. The Permittee shall review the Waste Analysis Plan annually and report to the Administrative Authority in the annual report whether any revision is required to stay abreast of changes in EPA methods and/or State regulatory provisions.

III.C.2. If there is reason to believe that the hazardous waste has changed or the operation generating the hazardous waste has changed, the Permittee shall review and re-characterize all potentially impacted hazardous waste streams generated by the Permittee on-site and treated, stored, and/or disposed on-site. The Permittee must re-characterize wastes in accordance with LAC 33:V.1519.A.3. This re-characterization shall include laboratory analyses and additional data (in accordance with *LAC 33:V.1519.A.2)* if applicable, which provide information needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical components of the waste. The results of this re-characterization shall be summarized in the Permittee's Annual Report.

III.C.3. In accordance with LAC 33:V.1519.B, the Waste Analysis Plan must meet all the sampling and QA/QC procedures of Condition II.E.9.c. All test procedures used by the Permittee shall be maintained on file by the Permittee and made available to the LDEQ upon request.

III.D. SECURITY

The Permittee must comply with the security provisions of LAC 33:V.1507 and the Permittee's Security Plan, as referenced in Attachment 1.

III.E. GENERAL INSPECTION REQUIREMENTS

The Permittee must follow the Inspection Plan referenced in Attachment 1. The Permittee must remedy any deterioration or malfunction discovered by an inspection as required by LAC 33:V.1509.C. Records of inspections must be kept as required by LAC 33:V.1509.D. The inspection schedule must include the regulatory requirements of LAC 33:V.517.G, 1509.A and B, 1911, 2109, and 3005.F.

III.F. PERSONNEL TRAINING

The Permittee must conduct personnel training as required by LAC 33:V.1515.A, B, and C. The Permittee shall follow the outline referenced in Attachment 1. The Permittee shall maintain all training documents and records as required by LAC 33:V.1515.D and E.

III.G. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

The Permittee must take precautions as required by LAC 33:V.1517 to prevent accidental ignition or reaction of ignitable or reactive wastes.

III.H. LOCATION STANDARDS

III.H.1. The Permittee has furnished evidence that it is in compliance with seismic standards as required by LAC 33:V.517.T.

III.H.2. The Permittee must not manage any hazardous waste on any portion of the property that lies within the 100 year flood plain (as identified in the Flood Insurance Rating Map) unless such areas are raised above this flood level or other means (e.g., levees) are provided to protect such areas from washouts, overtopping by wave action, soil erosion or other effects of such a flood as required by LAC 33:V.1503.B.3. Such site improvements must be certified by independent licensed professional engineers and approved by the Administrative Authority prior to any hazardous waste and/or hazardous waste units being placed thereon.

III.I. PRECIPITATION RUN-ON AND RUN-OFF

The Permittee must provide for the control by diversion or treatment of run-on and run-off resulting from a rainfall occurring during a period of twenty-four (24) hours as defined by local rainfall records and LAC 33:V.1503.B.2. The Permittee shall comply with the requirements of LAC 33:V.1907.E.1.b, 2111.B.4, B.5, and B.6.

III.J. HURRICANE EVENTS

The Permittee must initiate those applicable portions of the Contingency Plan during a hurricane as well as appropriate actions required by LAC 33:V.1507, 1509 and 1511.

III.K. PREPAREDNESS AND PREVENTION

III.K.1. Required Equipment

At a minimum, the Permittee must install and maintain the equipment set forth in the Contingency Plan, as required by LAC 33:V.1511.C.

III.K.2. Testing and Maintenance of Equipment

The Permittee must test and maintain the equipment specified in Condition III.K.1 to insure its proper operation in time of emergency. The testing and maintenance of the equipment must be documented in the operating record.

III.K.3. Access to Communications or Alarm Systems

The Permittee must maintain access to the communications or alarm system as required by LAC 33:V.1511.E.1 and 1511.E.2.

III.K.4. Required Aisle Space

In no case shall aisle space be less than two (2) feet. In addition, the Permittee shall maintain adequate aisle space as required by LAC 33:V.1511.F and 2109.B.

III.K.5. Arrangements with Local Authorities

The Permittee shall document in the annual report that the requirements of LAC 33:V.1511.G have been met (Attachment 1). This documentation shall include those state and local agencies involved and those facilities and operations covered. Documentation of written arrangements with state and local agencies shall also be included in this report. Where state or local authorities decline to enter into such arrangements, the Permittee must document the refusal in the operating record.

III.L. CONTINGENCY PLAN

III.L.1. Implementation of Plan

The Permittee must immediately carry out the provisions of the Contingency Plan (Attachment 1), and follow the emergency procedures described by LAC 33:V.1513.F

whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents that threaten or could threaten human health or the environment.

III.L.2. Copies of Plan

The Permittee must comply with the requirements of LAC 33:V.1513.C.

III.L.3. Amendments to Plan

The Permittee must review and immediately amend, if necessary, the Contingency Plan as required by LAC 33:V.1513.D.

III.L.4. Emergency Coordinator

The Permittee must comply with the requirements of LAC 33:V.1513.E concerning the emergency coordinator.

III.M. MANIFEST SYSTEM

The Permittee shall comply with the manifest requirements of LAC 33:V.Chapter 11.

III.N. RECORD KEEPING AND REPORTING

III.N.1. Operating Record

The Permittee shall maintain a written operating record at the facility in accordance with LAC 33:V.1529.

III.N.2. Annual Report

The Permittee must comply with the annual report requirements of LAC 33:V.1529.D.

III.N.3. Operations Plan

The Permittee shall compile and keep current an operations plan covering all aspects of the Permittee's treatment and storage facilities as required by LAC 33:V.517.T.7.

III.O. CLOSURE/POST-CLOSURE

CLOSURE

The closure plan shall include the following responses by the Permittee to LAC 33:V.1915, 2117, 3005.I., 3503, 3505, 3507, 3509, 3511, 3513, and 3515.

III.O.1. **Closure Performance Standard.** The Permittee shall close the facility in accordance with the closure plan referenced in Attachment 1 and in accordance with the applicable Conditions of LAC 33:V.3507.

III.O.2. **Amendment to Closure Plan.** The Permittee shall amend the closure plan where necessary, in accordance with LAC 33:V.3511.C. Any modification shall be subject to LAC 33:V.321, 322 and 323, where applicable.

III.O.3. **Notification of Closure.** The Permittee shall notify the Administrative Authority at least 45 days prior to the date he expects to begin closure in accordance with LAC 33:V.3511.D.

III.O.4. **Time Allowed For Closure.** After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in the closure plan referenced in Attachment 1 and in accordance with LAC 33:V.3513.

III.O.5. **Disposal or Decontamination of Equipment.** The Permittee shall decontaminate and dispose all facility equipment in accordance with the closure plan referenced in Attachment 1 and in accordance with LAC 33:V.3515.

III.O.6. **Certification of Closure.** The Permittee shall certify that the facility has been closed in accordance with the specifications in the closure plan as required by LAC 33:V.3517.

III.O.7. **Inventory at Closure.** The Permittee shall be responsible for closure costs based upon the maximum Permitted facility inventories listed below in Tables 1, 2, and 3.

TABLE 1
(19) Hazardous Waste Tanks

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
MS-431	Aniline Wastes	K083, D018, D036, U012, U169	15,200
MS-438	Aniline Wastes	K083, D018, D036, U012, U169	2,630
MS-603	Aniline Wastes	K083, D018, D036, U012, U169	1,100
MS-2303	Aniline Wastes	K083, D018, D036, U012, U169	1,100
MS-2207	Dry Purge/Reactor Residue, Aniline and Nitrobenzene Wastes	K083, D018, D036, U019, U012, U169	26,038
MS-2230	Wet Purge/Reactor Residue, Aniline and Nitrobenzene Wastes	K083, D018, D036, U012, U169, D001	3,200
MF-8603*	Waste Effluent Nitrate Equalization Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,920
MF-8616*	Waste Effluent Nitrate Equalization Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,920
MF-8638A*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983
MF-8638B*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983
MF-8638C*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983

MF-8275	Waste Effluent Surge Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,406
MS-8632	Waste Effluent Backwash Hold Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	32,200
MS-8648	Waste Effluent Vent System Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	280

* pH adjustment from optimum injectivity and dissolution of salts

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
GF-8189A	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189B	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189C	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189D	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189E	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume

TABLE 2
Existing Container Storage Area

CONTAINER STORAGE	LOCATION	TOTAL AREA LIMITS (SQ. FT)	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
Permitted Container Storage Area	UIC Pretreatment Area	47.0 x 97.0	Reference Section 10 in the Part A Application of this Permit for the waste codes	35,750

TABLE 3
(3) Existing Combustion Units

Combustion Unit	Service	Location	Maximum Capacity
Aniline 2 BIF Unit	Liquid Hazardous Waste	Aniline Complex Area	30,000,000 BTU/hr
DPA 1 Superheater	Liquid Hazardous Waste	Reductions Area	27,000,000 BTU/hr
DPA 2 Superheater	Liquid Hazardous Waste	Reductions Area	18,000,000 BTU/hr

III.P. POST-CLOSURE

The Permittee must attempt to clean close all hazardous waste units. If the facility cannot be clean closed, the Permittee shall submit a post-closure plan for approval by the Administrative Authority. If some waste residues or contaminated materials are left in place at final closure, the Permittee must comply with all post-closure requirements contained in LAC 33:V.3519-3527, including maintenance and monitoring throughout the post-closure care period.

III.Q. COST ESTIMATE FOR CLOSURE/POST-CLOSURE

III.Q.1. The Permittee must maintain cost estimates for closure of facilities in accordance with LAC 33:V.3705 and 3707.

III.Q.2. The Permittee shall maintain and adjust the closure cost estimate for inflation, as specified in LAC 33:3705.B, 3705.C, and for other circumstances that increase the cost of closure.

III.Q.3. The Permittee must adjust the closure cost estimate within thirty (30) days after approval by the administrative authority of any request to modify the closure plan in accordance with LAC 33:V.3705.C. The Permittee shall consider the impact of any inventory and or process changes on the closure cost estimate.

III.Q.4. The closure cost estimate must equal the cost of closure at the point in the facility's operating life when the extent and manner of its operation would make closure most expensive. The closure cost estimate shall be based on the maximum Permitted inventory of each facility as specified in Condition III. Tables 1, 2, and 3 of this Permit.

III.Q.5. If the Permittee is unable to complete closure of all facilities specified in Condition III. Tables 1, 2, and 3 of this Permit as per LAC 33:V. Chapter 35 and as acceptable by the Administrative Authority, a Post-Closure Plan must be submitted for each facility failing to achieve clean closure within ninety (90) days from the date that the Permittee or Administrative Authority determines that the unit must be closed as a landfill. The Post-Closure Plan must meet the requirements of LAC 33:V.3523.B.

III.R. FINANCIAL ASSURANCE FOR CLOSED UNITS

The Permittee shall establish and maintain financial assurance for closure in accordance with LAC 33:V.3707 for all units listed under Condition III.O.7.

III.S. LIABILITY REQUIREMENTS

The Permittee shall have and maintain liability coverage for sudden accidental occurrences in the amounts of $1,000,000 each occurrence and $2,000,000 annual aggregate, exclusive of legal defense costs, as required by LAC 33:V.3715.A. The Permittee shall have and maintain liability coverage for non-sudden accidental occurrences in the amounts of $3,000,000 each occurrence and $6,000,000 annual aggregate, exclusive of legal defense costs, as specified in LAC 33:V.3715.B.

III.T. INCAPACITY OF THE PERMITTEE

The Permittee must comply with LAC 33:V.3717 whenever bankruptcy is initiated for the Permittee or its institutions providing financial assurance. If insurance is used for compliance with LAC 33:V.3715, the Permittee must immediately notify the Administrative Authority if the insurance company is placed in receivership. The Permittee must establish other financial assurance or liability coverage within sixty (60) days after such an event.

III.U. POST-CLOSURE NOTICES

(RESERVED)

IV. PERMITTED FACILITES

IV.A. TANKS

Details of the existing tanks listed in Table 4, including design and operational specifications, are contained in Permit Condition V.A.

TABLE 4
(19) Hazardous Waste Tanks

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
MS-431	Aniline Wastes	K083, D018, D036, U012, U169	15,200
MS-438	Aniline Wastes	K083, D018, D036, U012, U169	2,630
MS-603	Aniline Wastes	K083, D018, D036, U012, U169	1,100
MS-2303	Aniline Wastes	K083, D018, D036, U012, U169	1,100
MS-2207	Dry Purge/Reactor Residue, Aniline and Nitrobenzene Wastes	K083, D018, D036, U019, U012, U169	26,038
MS-2230	Wet Purge/Reactor Residue, Aniline and Nitrobenzene Wastes	K083, D018, D036, U012, U169, D001	3,200
MF-8603*	Waste Effluent Nitrate Equalization Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,920
MF-8616*	Waste Effluent Nitrate Equalization Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,920
MF-8638A*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983
MF-8638B*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983

MF-8638C*	Waste Effluent Settling Storage Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	1,006,983
MF-8275	Waste Effluent Surge Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	199,406
MS-8632	Waste Effluent Backwash Hold Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	32,200
MS-8648	Waste Effluent Vent System Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	280

* pH adjustment from optimum injectivity and dissolution of salts

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
GF-8189A	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189B	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189C	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189D	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume
GF-8189E	Waste Effluent Sand Filter Tank	Refer to Section 10 in the Part A Application of this permit for the waste codes	2,395 liquid volume

IV.B. CONTAINER STORAGE

Details of design and operational specifications of the existing Permitted container storage area listed below in Table 5, are contained in Condition V.B of this permit.

TABLE 5
Existing Container Storage Area

CONTAINER STORAGE	LOCATION	TOTAL AREA LIMITS (SQ. FT)	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
Permitted Container Storage Area	UIC Pretreatment Area	47.0 x 97.0	Reference Section 10 in the Part A Application of this Permit for the waste codes	35,750

IV.C. COMBUSTION UNITS

Details of the existing combustion units listed in Table 6, including design and operational specifications, are contained in Permit Condition V.C.

TABLE 6
(3) Existing Combustion Units

Combustion Unit	Service	Location	Maximum Capacity
Aniline 2 BIF Unit	Liquid Hazardous Waste	Aniline Complex Area	30,000,000 BTU/hr
DPA 1 Superheater	Liquid Hazardous Waste	Reductions Area	27,000,000 BTU/hr
DPA 2 Superheater	Liquid Hazardous Waste	Reductions Area	18,000,000 BTU/hr

V. PERMIT CONDITIONS APPLICABLE TO PERMITTED FACILITIES

V.A. TANKS

V.A.1. Description of Tank Systems

V.A.1.a. Operation

V.A.1.a.(1) All Permitted tanks and associated piping, pumps, instruments, containments, and vent controls shall be operated and maintained in accordance with LAC 33:V.Chapter 19, the specification and design criteria submitted in the Part B Permit Application, and the design limits specified in Table 7.

V.A.1.a.(2) The design temperature and pressure for each tank shall not change from the one listed in Table 7, unless a Permit modification is approved by the Department.

V.A.1.b. Permitted Tanks

V.A.1.b.(1). The tank systems listed in Tables 4 and 7 are Permitted to be used for hazardous waste storage or treatment. These tanks have been certified by an independent, professional engineer licensed in the state of Louisiana to have sufficient structural integrity for storage of hazardous waste.

V.A.1.b.(2). All of the tank systems listed in Tables 4 and 7 must be clearly marked with the words "Hazardous Waste".

V.A.1.b.(3). The Permittee is prohibited from storing or treating hazardous waste in any tank storage system not listed in Table 4 for greater than ninety (90) days, unless an extension is granted by the Department, the activity is exempt from regulations, or an Emergency Permit is issued.

V.A.1.b.(4). The Permittee is prohibited from storing any hazardous waste received from offsite in any tank storage system.

V.A.2. Permitted and Prohibited Wastes

V.A.2.a. Permitted Waste

Subject to the terms of this Permit, the Permittee is allowed to store or treat in the tanks described in Condition V.A.1.b of this Permit, the hazardous wastes identified in the most current Part A Permit Application and Condition IV.A, Table 4 of this permit.

V.A.2.b. Prohibited Waste

The Permittee is prohibited from storing hazardous waste that is not identified in Condition V.A.2.a of this Permit.

V.A.3. Secondary Containment

V.A.3.a. Duty to Comply with LAC 33:V.1907.B through F

The Permittee shall design, construct, operate, and maintain the secondary containment system in accordance with LAC 33:V.1907.B-F, the Part B Permit Application, and Condition II.E.21 and Table 7 of this Permit.

V.A.3.b. Prevention of Migration

V.A.3.b.(1). Secondary containment systems must be maintained and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, groundwater, or surface water at any time during the use of the tank system.

V.A.3.b.(2). Ancillary equipment must be provided with secondary containment, except as excluded by LAC 33:V.1907.F.

V.A.3.b.(3). Secondary containment systems must be free of cracks or gaps and other surface defects that would allow liquid to migrate out of the containment system.

V.A.3.b.(4). Spilled or leaked waste must be removed from the secondary containment system within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment, unless it can be demonstrated that removal cannot be accomplished within 24 hours.

V.A.3.b.(5). Accumulated precipitation must be removed from the secondary containment system within 24 hours or in as timely a manner as is possible.

V.A.4. Operating Requirements

V.A.4.a. Duty to Comply with LAC 33:V.1909.A

The Permittee shall comply with LAC 33:V.1909.A. Hazardous wastes or treatment reagents must not be placed in a tank system if they could cause the tank, its ancillary equipment, or the containment system to rupture, leak, corrode, or otherwise fail.

V.A.4.b. Duty to Comply with LAC 33:V.1909.B

The Permittee shall comply with LAC 33:V.1909.B and Table 7 of this Permit. The Permittee must use appropriate controls and practices to prevent spills and overflows from tanks and containment systems.

V.A.4.c. Tank Covers

All hazardous waste storage tanks shall be covered and shall not be vented directly to the atmosphere if the tanks are used to store, or if a possibility exists that they may be used to store volatile or malodorous waste.

V.A.4.d. Maintenance

The Permittee shall maintain the permitted tank systems according to the design code specified for each tank as listed in Table 7 and not exceed the listed operating conditions.

V.A.5. Ignitable, Reactive, and Incompatible Wastes

The Permittee shall store ignitable, reactive, or incompatible wastes only in accordance with LAC 33:V.1517.B, 1917 and 1919.

V.A.6. Inspections

V.A.6.a. Inspection Schedule

The Permittee shall comply with LAC 33:V.1911.A through C by following the inspection schedule submitted in the Inspection Plan (see Attachment 1).

V.A.6.b. Daily Inspection

V.A.6.b.(1). At least once per day while the tank is operating in hazardous waste service, the Permittee shall inspect the following:

V.A.6.b.(1).a. Aboveground portions of the tank system, including the tank, ancillary piping, valves, and vent controls, to detect corrosion, cracks or releases of waste.

V.A.6.b.(1).b. Data gathered from monitoring and leak detection equipment.

V.A.6.b.(1).c. Construction materials and area immediately surrounding the externally accessible portion of the tank system and ancillary equipment (e.g. secondary containment system), to detect erosion, cracks and signs of hazardous waste releases.

V.A.6.b.(2). All deficiencies noted during daily inspections must be recorded and remedied in a timely manner.

V.A.6.c. External Inspection

At a minimum, external inspection of each tank covered by this permit shall be performed as often as required by the API designated inspection standard in Table 7. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Administrative Authority upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 7. The inspection checklist shall be comparable to that in API Standard 510 or 653 as applicable.

If the result of such an inspection reveals that the tank is unfit for continued service, the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.d. Internal Inspection

Internal inspection of each tank covered by this Permit shall be performed as often as required by the inspection standard in Table 7. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Department upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 7. The inspection checklist shall be comparable to that in Appendix C of API Standard 510 or 653, as applicable.

If the result of such an inspection reveals that the tank is unfit for continued service, the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.e Thickness Testing

V.A.6.e.(1). An authorized inspector, as defined in the applicable tank inspection standard, shall take tank thickness measurements on tank tops and shells and shall be taken at least on each tank quadrant at least every two (2) years.

Tank thickness readings shall be taken in the same place during each testing event in order to form a comparison of readings for corrosion rate determination.

V.A.6.e.(2). Tank thickness readings shall also be taken at any spot where visual corrosion or compromised integrity is evident.

V.A.6.e.(3). An authorized inspector shall perform tank thickness measurements on tank bottoms as often as the internal inspection required under Condition V.A.6.d, or more often if required by the inspection standard specified in Table 7. The required frequency of inspection with reference to the applicable section of the inspection standard shall be kept on-site and made available to the Administrative Authority upon request.

V.A.6.e.(4). When any tank shell thickness measurement at a single point is less than that required in Table 7, the Permittee shall immediately comply with either Condition V.A.6.e.(4).a or b below. Condition V.A.6.e.(4).b shall not be used for any tank where the actual shell thickness, as determined by the appropriate inspection standard in Table 7, is less than 0.100 inches. Pits shall be treated as allowed by the appropriate inspection standard in Table 7.

V.A.6.e.(4).a. The tank shall be deemed unfit for use, and the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The tank shall be repaired or replaced and the certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

V.A.6.e.(4).b. An engineering evaluation shall be performed, conforming to the appropriate standard or standards, as allowed by the design or inspection standard in Table 7. If the evaluation determines that the tank is unfit for service, the Permittee shall comply with Condition V.A.6.e.(4).a immediately.

The evaluation must be submitted to the Waste Permits Division for approval within forty-five (45) days of the initial measurement.

V.A.6.e.(5). Tank thickness measurements shall not be averaged, unless allowed under the tank inspection standard in Table 7. Averaging of tank thickness measurements shall be reported to the Administrative Authority.

V.A.6.f. Overfill Controls

Tank levels shall be continuously monitored and overfill controls shall be visually inspected along with other aboveground portions of the tanks daily. Function of the overfill controls shall be tested annually.

V.A.7 Response to Leaks or Spills

V.A.7.a. Duty to Comply with LAC 33:V.1913.A through E

In the event of a leak or spill from a tank system, secondary containment system, or if a system becomes unfit for use, the Permittee shall comply with LAC 33:V.1913.A through E.

V.A.7.b Leaks and Spills

V.A.7.b.(1). Upon discovering a leak or spill, the Permittee must immediately stop the flow of hazardous waste into the tank system or secondary containment system and inspect the system to determine the cause of the release.

V.A.7.b.(2). Within twenty-four (24) hours of detecting a leak from the tank system, or in as timely a manner as is practical if the Permittee demonstrates that is not possible to remove the waste within twenty-four (24) hours, the Permittee must remove as much waste as necessary to prevent further release from the tank or secondary containment system and to allow inspection and repair of the tank system.

V.A.7.b.(3). Any spilled material or material trapped in sumps that is a hazardous waste or that will be disposed of as a hazardous waste must be cleaned up in a timely manner, as required by LAC 33:V.1505.C.3.

V.A.7.b.(3)(a). If the collected material is discharged through a point source to United States water or to a Publicly Owned Treatment Works, it is subject to the requirements of the Clean Water Act.

V.A.7.b.(3)(b). If the collected material is released to the environment, it may be subject to reporting under applicable requirements of LAC 33:V.1505, LAC 33:I.Chapter 39, and 40 CFR Part 302.

V.A.7.b.(4). When a leak or spill occurs, the Permittee shall remove and properly dispose of any visible contamination of the soil or surface water.

V.A.7.b.(5). A tank system from which a leak or spill has occurred must be closed in accordance with the approved Closure Plan and LAC 33:V.1915, unless the requirements of LAC 33:V.1913.E.2-3 are satisfied.

V.A.7.b.(5)(a). For a release caused by a spill that has not damaged the integrity of the system, the Permittee shall remove the released waste and make any necessary repairs to fully restore the integrity of the system before returning the tank system to service.

V.A.7.b.(5)(b): For a release caused by a leak from the primary tank system to the secondary containment system, the Permittee shall repair the primary system prior to returning the tank to service.

V.A.7.b.(6). If the Permittee replaces a component of the tank system to eliminate a leak, that component must satisfy the requirements for new tank systems or components in LAC 33:V.1905 and 1907. An engineer's certification shall not be required for such day-to-day routine maintenance or service practices as replacement or repair of worn portions of tank system components (e.g. valves, bearings, seals), adjustment or repairs to instruments, etc.

V.A.7.b.(7). All leaks and spills shall be documented in the daily inspection log.

V.A.7.c Major Repairs

V.A.7.c.(1). The Permittee shall comply with LAC 33:V.1913.F when performing major repairs to a tank system.

V.A.7.c.(2). Major repairs shall include, but not be limited to, installation of an internal liner, repair of a ruptured tank, repair of a ruptured secondary containment area, and removal of a tank from its foundation for any reason.

V.A.7.c.(3). The Permittee shall conform to the appropriate portion of the most recent inspection code listed in Table 7 for maintenance, inspection, re-rating, repair, and alteration of all tanks.

V.A.7.c.(4). The tank shall not be returned to service unless the Permittee has obtained a certification by an independent, Louisiana registered professional engineer that the system is capable of handling hazardous waste without release for the intended life of the system. The certification of repairs shall include an inspection in accordance with the requirements of any applicable codes, such as API 510 or API 653. The certification shall be submitted to the Department within seven (7) days of returning the tank system to use.

V.A.8. Air Emission Control Equipment Standards

The Hazardous Waste Tanks MS-431, MS-438, MS-603, MS-2230, MS-2303, MS-2207, GF-8189 A, GF-8189 B, GF-8189 C, GF-8189 D, GF 8189 E, MF-8638 A, MF-8638 B, MF-8638 C, MF-8603, MF-8616, MS-8632, and MF-8275 are in compliance with 40 CFR 63 Subpart G or Subpart H for operating air emission controls; therefore, they are exempt from the air control emission standards in LAC 33:V.1747-1799 and Condition V.H of this permit. In the event that the 40 CFR 63 Subpart G or Subpart H are no longer applicable to these tanks, the Permittee shall comply with LAC 33:V.1747-1799 and Condition V.H of this permit.

V.A.9. Recordkeeping

V.A.9.a. New Tanks

The Permittee shall obtain, and keep on file at the facility, the written statements by those persons required to certify the design and installation of new tank systems, in accordance with LAC 33:V.1905.G.

V.A.9.b. Written Assessment

The Permittee shall keep on file at the facility, written assessments of the tank systems' integrity. Assessments shall be updated at the time of submittal of the Permit Renewal Application and at any other time deemed necessary by the Department.

V.A.9.c. Inspections

V.A.9.c.(1). The Permittee shall document in the operating record for the facility inspection of those items in Condition V.A.6.(a)-(b) of this Permit.

V.A.9.c.(1)(a). The daily log sheets shall include all monitored parameters for the prevention of spills and overflows, including temperature, pressures, and either levels or pump flows into and out of the tanks.

V.A.9.c.(1)(b). The Permittee shall note all deficiencies discovered during the inspection in the inspection log.

V.A.9.c.(1)(c). Corrective action taken in response to deficiencies must be included as part of the operating record for the facility.

V.A.9.c.(2). The Permittee shall document in the operating record all tests and inspections of overfilling controls.

V.A.9.c.(3). The Permittee shall keep on file at the facility the results of the internal and external inspections required by Condition V.A.6.(c)-(d) of this Permit. The Permittee shall note all deficiencies discovered during the inspection in the inspection log. Corrective action taken in response to deficiencies must be included as part of the operating record for the facility.

V.A.9.c.(4). The Permittee shall keep on file all information related to tank thickness testing required under Condition V.A.6.(e) of this Permit.

V.A.9.c.(4)(a). This information shall include, at a minimum, the date(s) of assessment, the location where measurement readings are taken, the raw measurement data, comparison of actual reading to minimum thickness requirements, the corrosion rate, and calculation of remaining tank life.

V.A.9.c.(4)(b). If an engineering evaluation is performed in accordance with Condition V.A.6.e.(4).b. of this Permit, the results of such an evaluation shall be kept in the operating record.

The engineering evaluation must include, at a minimum, details on how the evaluation was performed, references to applicable tank codes, raw data, calculations performed, and an explanation of why the tank is or is not fit for continued service.

V.A.9.c.(4)(c). Any tank thickness measurements that are averaged under Condition V.A.6.e.4 of this Permit must be supported by documentation with references to the applicable tank codes. The documentation shall include all raw measurement data, calculations, and results of averaging. This information shall be kept as a part of the operating record for the facility.

V.A.9.d. Releases

V.A.9.d.(1). The Permittee shall keep on file at the facility, notification reports submitted under LAC 33:V.1913.D.

V.A.9.d.(2). Within twenty-four (24) hours of detecting a reportable leak or spill from a tank system or secondary containment system to the environment, the Permittee shall report the leak or spill to the Department's Single Point of Contact.

V.A.9.d.(3). Within thirty (30) days of detecting a reportable release to the environment from a tank system or secondary containment system, the Permittee shall report the following information to the Department's Single Point of Contact:

V.A.9.d.(3).(a). Likely route of migration of the release,

V.A.9.d.(3).(b). Characteristics of the surrounding soil, including soil composition, geology, hydrogeology, and climate,

V.A.9.d.(3).(c). Results of any monitoring or sampling conducted in connection with the release (if available). If the Permittee finds it will be impossible to meet this time schedule, the Permittee must provide the Department with a schedule of when the results will be available.

This schedule must be provided before the required thirty (30) day submittal period expires,

V.A.9.d.(3)(d). Proximity of downgradient drinking water, surface water, and populated areas, and

V.A.9.d.(3)(e). A description of response actions taken or planned.

V.A.9.e. Repairs

The Permittee shall keep on file at the facility all certifications required by Condition V.A.7.c of this Permit.

V.A.10. Closure and Post-Closure Care

V.A.10.a. Duty to Comply with LAC 33:V.1915.A

The Permittee shall comply with LAC 33:V.1915.A by following the procedures specified in the Closure Plan, Attachment 1.

V.A.10.b. Duty to Comply with LAC 33:V.1915.B

If the Permittee demonstrates that not all contaminated soils can be practicably removed or decontaminated in accordance with Condition V.A.10.a of this Permit, the Permittee shall comply with LAC33:V.1915.B.

V.A.10.c. Post-Closure

The Permittee shall attempt to clean close all tank systems. If a tank cannot be clean closed and the Permittee has not demonstrated through a risk assessment approved by the Department that closure with the remaining contaminant levels is protective of human health and the environment; or if any waste residue or contaminated materials are left in place at final closure, the Permittee must comply with all post-closure requirements contained in LAC 33:V.3519 and 3527, including maintenance and monitoring throughout the post-closure care period.

TABLE 7
Design and Operating Parameters for RCRA Tank Systems

Tank No.	Year Placed Into Service	Dimensions (D' X H')	Permitted Capacity (gallons)	Design Standard	Repair Standard	Inspection Standard	Design Temperature (°F)	Design Pressure Maximum/ Minimum (PSIG)	Liquid Density at Operating Temperature	Materials of Construction	Design Shell Thickness (inches)	Corrosion Allowance (inches)	Minimum Shell Thickness (inches)[1]	Secondary Containment Type
MS-431	1965	12 X 14	15,200	ASME VIII Division 1	NBIC[2]	API 510	400	Vessel - 50/-6.2 Jacket - 40/FV	9.2	A 285 C FB Carbon Steel	Vessel - 0.4375 Head - 0.500	0.0625	Shell - 0.375 Head - 0.308 Jacket - 0.096	External Concrete Liner
MS-438	1965	5.5 X 14	2,630	ASME VIII Division 1	NBIC	API 510	275	14	8.4	A 285 C FB Carbon Steel	Vessel - 0.3125 Head - 0.3125	0.0625	Shell - 0.048 Head - 0.085	External Concrete Liner
MS-603	1965	4.5 X 8.5	1,100	ASME VIII Division 1	NBIC	API 510	325	Vessel-25 Jacket-40	8.4	A 285 C Carbon Steel	Vessel - 0.625 Jacket - 0.3125	0.0625	Shell - 0.291 Head - 0.206 Jacket - 0.100	External Concrete Liner
MS-2303	1978	4.5 X 8.5	1,100	ASME VIII Division 1	NBIC	API 510	325	Vessel-25 Jacket-55/FV	9.2	A 285 C Carbon Steel	Vessel - 0.500 Jacket - 0.250	0.0625	Shell - 0.375 Head - 0.120 Jacket - 0.198	External Concrete Liner
MS-2207	1978	16 X 15	26,038	ASME VIII Division 1	NBIC	API 510	Vessel-500 Jacket -400	Vessel-80/FV Jacket-60	7.5	SA 285 C Carbon Steel	Vessel - 1.25 Head - 1.058 Jacket - 0.5625	Shell - 0.125 Head - 0.062 Jacket - 0.0625	Shell - 0.6577 Head - 0.9938 Jacket - 0.500	External Concrete Liner
MS-2230	1978	8 X 8.5	3,200	API 620 1973 Edition, Supplement 3	API 653	API 653	150	Full of liquid + 1 PSIG	8.3	A 283 C Carbon Steel	Shell - 0.25 Roof - 0.3125	0.0625	Shell - 0.1875 Roof - 0.25	External Concrete Liner

Tank No.	Year Placed Into Service	Dimensions (D' X H')	Permitted Capacity (gallons)	Design Standard	Repair Standard	Inspection Standard	Design Temperature (°F)	Design Pressure Maximum /Minimum (PSIG)	Liquid Density at Operating Temperature	Materials of Construction	Design Shell Thickness (inches)	Corrosion Allowance (inches)	Minimum Shell Thickness (inches) [1]	Secondary Containment Type
MF-8603	1988	40 X 29.2	199,920	API 650	API 653	API 653	200	2/-1.5 oz.	8.4	Carbon Steel	Shell - 0.250 Roof -0.250	0.0625	Shell 1st - 0.164 2nd - 0.134 3rd - 0.100 4th - 0.100 5th - 0.100 Roof - 0.2143	External Concrete Liner/ Ringwall with 100 mil HPDE Liner
MF-8616	1988	40 X 29.2	199,920	API 650	API 653	API 653	200	2/-1.5 oz.	8.7	Carbon Steel	Shell - 0.250 Roof -0.250	0.0625	Shell 1st - 0.164 2nd - 0.134 3rd - 0.100 4th - 0.100 5th - 0.100 Roof - 0.2143	External Concrete Liner/ Ringwall with 100 mil HPDE Liner
MF-8638 A	1988	68.83 X 36	1,006,983	API 650	API 653	API 653	200	2/-1.5 oz.	8.6	SA 36 Modified Carbon Steel	Roof - 0.375 Shell 1st - 0.500 2nd - 0.375 3rd - 0.375 4th - 0.250 5th - 0.250 Floor - 0.750	Roof - 0.0313 Shell 1st - 0.0625 2nd - 0.0625 3rd - 0.0625 4th - 0.0625 5th - 0.0625 Floor - 0.437	Roof - 0.3437 Shell 1st - 0.352 2nd - 0.281 3rd - 0.189 4th - 0.125 5th - 0.100 Floor - 0.3125	External Concrete Liner/ Ringwall with 100 mil HPDE Liner

Tank No.	Year Placed Into Service	Dimensions (D' X H')	Permitted Capacity (gallons)	Design Standard	Repair Standard	Inspection Standard	Design Temperature (°F)	Design Pressure Maximum /Minimum (PSIG)	Liquid Density at Operating Temperature	Materials of Construction	Design Shell Thickness (inches)	Corrosion Allowance (inches)	Minimum Shell Thickness (inches)[1]	Secondary Containment Type
MF-8638 B	1988	69 X 36	1,006,983	API 650	API 653	API 653	200	2/-1.5 oz.	8.6	SA 36 Modified Carbon Steel	Roof - 0.375 Shell 1st - 0.500 2nd - 0.375 3rd - 0.375 4th - 0.250 5th - 0.250 Floor - 0.750	Roof - 0.0313 Shell 1st - 0.0625 2nd - 0.0625 3rd - 0.0625 4th - 0.0625 5th - 0.0625 Floor - 0.437	Roof - 0.3437 Shell 1st - 0.352 2nd - 0.281 3rd - 0.189 4th - 0.125 5th - 0.100 Floor - 0.3125	External Concrete Liner/ Ringwall with 100 mil HPDE Liner
MF-8638 C	1988	68.9 X 36	1,006,983	API 650	API 653	API 653	200	2/-1.5 oz.	8.6	SA 36 Modified Carbon Steel	Roof - 0.375 Shell 1st - 0.500 2nd - 0.375 3rd - 0.375 4th - 0.250 5th - 0.250 Floor - 0.750	Roof - 0.0313 Shell 1st - 0.0625 2nd - 0.0625 3rd - 0.0625 4th - 0.0625 5th - 0.0625 Floor - 0.437	Roof - 0.3437 Shell 1st - 0.352 2nd - 0.281 3rd - 0.189 4th - 0.125 5th - 0.100 Floor - 0.3125	External Concrete Liner/ Ringwall with 100 mil HPDE Liner
GF-8189 A	1978	10 X 6	2,395 liquid volume	ASME VIII Division 1	NBIC	API 510	250	FV to 225	8.6	SA 516 70N Carbon Steel	Shell - 1.00 Head - 1.375	Shell - 0.125 Head - 0.125	Shell - 0.7879 Head - 1.0426	External Concrete Liner

Tank No.	Year Placed Into Service	Dimensions (D' X H')	Permitted Capacity (gallons)	Design Standard	Repair Standard	Inspection Standard	Design Temperature (°F)	Design Pressure Maximum /Minimum (PSIG)	Liquid Density at Operating Temperature	Materials of Construction	Design Shell Thickness (inches)	Corrosion Allowance (inches)	Minimum Shell Thickness (inches) [1]	Secondary Containment Type
GF-8189 B	1978	10 X 6	2,395 liquid volume	ASME VIII Division 1	NBIC	API 510	250	FV to 225	8.6	SA 516 70N Carbon Steel	Shell - 1.00 Head - 1.375	Shell - 0.125 Head - 0.125	Shell - 0.7879 Head - 1.0426	External Concrete Liner
GF-8189 C	1978	10 X 6	2,395 liquid volume	ASME VIII Division 1	NBIC	API 510	250	FV to 225	8.6	SA 516 70N Carbon Steel	Shell - 1.00 Head - 1.375	Shell - 0.125 Head - 0.125	Shell - 0.7879 Head - 1.0426	External Concrete Liner
GF-8189 D	1978	10 X 6	2,395 liquid volume	ASME VIII Division 1	NBIC	API 510	250	FV to 225	8.6	SA 516 70N Carbon Steel	Shell - 1.00 Head - 1.375	Shell - 0.125 Head - 0.125	Shell - 0.7879 Head - 1.0426	External Concrete Liner
GF-8189 E	1999	10 X 6	2,395 liquid volume	ASME VIII Division 1	NBIC	API 510	250	FV to 225	8.6	SA 516 70N Carbon Steel	Shell - 1.00 Head - 1.375	Shell - 0.125 Head - 0.125	Shell - 0.7879 Head - 1.0426	External Concrete Liner
MS-8632	1988	15 X 20	32,200	API 620	NBIC	API 510	250	2/-1.5 oz.	8.6	SA 36 Carbon Steel	Top Head - 0.3125 Shell - 0.3125 Cone - 0.375 Bottom Head - 0.750	Top Head- 0.0625 Shell - 0.0625 Cone - 0.0625 Bottom Head - 0.500	Top Head - 0.028 Shell - 0.017 Cone - 0.019 Bottom Head - 0.0079	External Concrete Liner
MS-8648	1988	3 X 5	280	ASME VIII Division 1 See Footnote 3	NBIC	API 510	200	2/-1.5 oz.	8.6	Carbon Steel	Top Head - 0.3125 Shell - 0.3125 Bottom Head - 0.750	Top Head- 0.250 Shell - 0.250 Bottom Head - 0.500	Top Head - 0.100 Shell - 0.100 Bottom Head - 0.100 (Minimum structural thickness)	External Concrete Liner

Tank No.	Year Placed Into Service	Dimensions (D' X H')	Permitted Capacity (gallons)	Design Standard	Repair Standard	Inspection Standard	Design Temperature (°F)	Design Pressure Maximum /Minimum (PSIG)	Liquid Density at Operating Temperature	Materials of Construction	Design Shell Thickness (inches)	Corrosion Allowance (inches)	Minimum Shell Thickness (inches)[1]	Secondary Containment Type
MF-8275	1988	29 X 40	199,406	API 650	API 653	API 653	200	2/-1.5 oz.	8.6	A 36 Modified Carbon Steel	Roof - 0.3124 Shell 1st - 0.500 2nd - 0.500 3rd - 0.375 4th - 0.375 5th - 0.375 Floor - 0.750	Roof - 0.0625 Shell 1st - 0.0625 2nd - 0.0625 3rd - 0.0625 4th - 0.0625 5th - 0.0625 Floor - 0.0625	Roof - 0.1558 Shell 1st - 0.1905 2nd - 0.1555 3rd - 0.1204 4th - 0.1204 5th - 0.0503 Floor - 0.250	Double Walled Tank Concrete Shafts with 100 mil HPDE Liner

[1] Minimum required thickness determined by calculating the thickness required to adequately handle the design pressure and design temperature

[2] National Board Inspection Code

[3] Tank MS-8648 was built to the design standard ASME VIII, Division 1, except its design pressure is lower than the lowest pressure (15 PSIG) covered by that code.

V.B. CONTAINER STORAGE

The Permit conditions as set forth under this Condition shall apply where applicable to the Permitted container storage facility as designated in Condition IV.B, Table 5. The container storage area is permitted to store hazardous waste in properly labeled and sealed containers which have been specified for this purpose and are compatible with the contained waste. Containers, in compatibility with the waste, shall be stored in accordance with LAC 33:V.2109.

The 55-gallon drums shall be stored on pallets stacked at a maximum of two (2) high and no more than four (4) large containers per tier on the pallet and conform to LAC 33.V.2109.B. The pallets shall be placed in rows with a minimum of two (2) feet of aisle space between rows.

V.B.1. The Permittee shall be in compliance with all appropriate conditions set forth in LAC 33:V.2101.

V.B.2. The Permittee shall maintain all containers in accordance with LAC 33: V.2107.A.

V.B.3. The Permittee will assure the integrity of the containers in accordance with LAC 33:V.2105.

V.B.4. The Permittee must manage the containers in accordance with LAC 33:V.2107.A and B.

V.B.5. The Permittee must inspect the containers and storage areas in accordance with LAC 33:V.2109 and LAC 33:V.1509. Results of such inspections must be placed in the operating record in accordance with LAC 33:V.1529.B.8.

V.B.6. The Permittee shall store all wastes in containers that are compatible with the hazardous wastes and in accordance with DOT standards listed in 49 CFR 173 and 178.

V.B.7. The Permittee must maintain the containment storage area as required by LAC 33:V.2111.A, B.1, 2, 3, and 4.

V.B.8. The Permittee must manage spilled or leaked waste and accumulated precipitation according to LAC 33:V.2111.B.5.

V.B.9. The Permittee must manage any collected material as required by LAC 33:V.2111.B.6. The Permittee must manage any collected storm water as required by LAC 33:V.2111.B.6 and any other applicable regulations.

V.B.10. The Permittee must place and store incompatible, ignitable, and reactive wastes only in accordance with LAC 33:V.1517, 2113, and 2115.

V.B.11. The Permittee shall store hazardous waste in accordance with LAC 33:V.2109 and Condition IV.B of this Permit.

V.B.12. The Contingency Plan shall be activated when warranted by an emergency and reported as required by LAC 33:V.1513.

V.B.13. The Permittee must insure that all hazardous waste personnel receive initial and continued training to insure compliance with LAC 33:V.1515, and maintain an emergency response program in compliance with LAC 33:V.1525.

V.B.14. The Permittee must control and report all point source discharges according to LAC 33:V.1505.

V.B.15. The Permittee shall not exceed the maximum capacity listed under Condition IV.B of this Permit for each container storage area listed.

V.B.16. At closure, the Permittee shall adhere to the procedures detailed in the approved closure plan referenced in Attachment 1 of this Permit and as required by LAC 33:V.2117 and Chapter 35, Closure Requirements. Post-closure activities must be performed in accordance with the approved post-closure plan for the container storage area failing to achieve clean closure (or an alternate closure standard approved under LAC 33:V.3501.D.2. or LAC 33.V.3507.B.) within ninety (90) days from the date that the Permittee or Administrative Authority determines that the unit must be closed as a landfill.

V.B.17. The Permittee shall always maintain enough secondary containment capacity to contain at least ten percent (10%) of the total volume of containers or the volume of the largest container, whichever is greater in accordance with LAC 33:V.2111.B.3. Containers that do not contain free liquids (per the Paint Filter Liquids Test) do not need to be considered in this determination.

V.B.18. The Permittee shall comply with the requirements set forth in LAC 33:V.1109.E and all applicable portions of LAC 33:V. Chapter 15 and Chapter 43 for the storage of containers in non-Permitted less than ninety (90) day container storage areas.

TABLE 8
Emission Controls for Containers

CONTAINER STORAGE AREA	LAC REFERENCE(S)	AIR EMISSION CONTROLS
Permitted Container Storage Area	LAC 33:V.1759.C, D, F, G, and H; LAC 33:V.1763-1767	Level 1 and Level 2 Controls

V.C. GENERAL REQUIREMENT FOR BOILERS

V.C.1. Permitted and Prohibited Wastes

V.C.1.a. The Permittee may only burn hazardous wastes with EPA waste codes listed in the current RCRA Subtitle C Hazardous Waste Permit Information Form (Part A Permit Application) except as prohibited in Condition V.C.1.b.

V.C.1.b. The burning of the following waste is prohibited:

V.C.1.b.(1). Dioxin-containing wastes identified by EPA as F020, F021, F022, F023, F026, F027, and F028 wastes in LAC 33:V.4901.

V.C.1.b.(2). Polychlorinated biphenyl (PCB) waste, as defined in 40 CFR Part 761.3.

V.C.1.b.(3). Source material, special nuclear material, mixed waste, or naturally occurring radioactive materials (NORM) that is not exempt pursuant to LAC 33:XV.

V.C.1.b.(4). Explosive material, as defined by the Department of Transportation under 49 CFR Part 173.

V.C.1.b.(5). Municipal Waste.

V.C.1.b.(6). Containerized Gases.

V.C.1.b.(7). Medical/Infectious wastes as defined in 40 CFR 60.51.c.

V.C.1.b.(8). Metal bearing wastes listed in LAC 33:V.Chapter 22.Table 14, except as described in LAC 33:V.2207.C.

V.D.1.b.(9). Wastes displaying the characteristic of reactivity as defined in LAC 33:V.4903.D.

V.C.1.c. Before burning any wastes not authorized under this permit, the Permittee shall obtain approval for a permit modification, as required under LAC 33:V.321.

V.C.2. Inspections

V.C.2.a. Requirements

V.C.2.a.(1). The Permittee shall inspect the boilers and instrumentation in accordance with Table 9 of this Permit.

V.C.2.a.(2). The boilers and associated equipment (pumps, valves, pipes, fuel storage tanks, and other ancillary equipment) will be subject to a daily thorough, visual inspection, when they contain hazardous waste. The purpose of these inspections will be to identify leaks, spills, fugitive emissions, and signs of tampering. The automatic waste feed cut off system and associated alarms must be tested at least monthly when hazardous waste is burned to verify operability. Support for this demonstration shall be included in the operational record (LAC 33:V.3005 F.3 and F.4).

V.C.2.b. Records

V.C.2.b.(1). Written inspection records shall be part of the operating record for this Permit and are hence subject to LAC 33:V.1529 requirements. At a minimum, the record shall include the following information: (1) the date and time of the inspection, (2) inspector's name, (3) any inspection observations, and (4) date and nature of corrective action. The inspection record shall be completed in accordance with LAC 33:V.1509 and shall be available at all times to the Administrative Authority.

Electronic records may be maintained, in lieu of paper copies.

V.C.2.b.(2). A written record of the automatic waste feed cut-off system tests shall be part of the operating record for this Permit and shall be available at all times to the Administrative Authority.

Electronic records may be maintained, in lieu of paper copies.

V.C.3. Monitoring and Calibration

V.C.3.a. Requirements

V.C.3.a.(1). The continuous monitoring requirements shall be as specified in Tables 10-15 of this Permit.

V.C.3.a.(2). The Administrative Authority may request data be submitted in any format or units that facilitates the completion of air modeling, risk assessment, or compliance procedures.

V.C.3.a.(3). Monitoring samples and measurements shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed shall be the appropriate method specified in LAC 33:V. Chapter 49.Appendix D or an equivalent method approved by the Administrative Authority.

Other sampling and analytical methods shall be those specified in *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*, SW-846, as revised; *Standard Methods for the Examination of Water and Wastewater*, current edition, or equivalent methods.

V.C.3.a.(4). The Permittee must calibrate the equipment specified in Tables 10-15 according to the manufacturer's specifications. Calibration procedures shall be included in the operating record of the facility and available at all times for review by the Administrative Authority.

V.C.3.a.(5). Hazardous waste may continue to be introduced into the boilers during daily continuous emission monitoring system (CEMS) calibration check periods. The CEMS shall be maintained according to the following schedule: (1) at least daily, a calibration check of the instrument; (2) at least daily, a system audit; (3) at least quarterly, a calibration error test; and (4) at least annually, a performance specification test. The procedures for CEMS maintenance are outlined in 40 CFR 266 Appendix IX Condition 2.0, "Performance Specifications for Continuous Emission Monitoring Systems."

V.C.3.b. Records

In the operating record, the Permittee shall record and maintain in accordance with LAC 33:V.1529 all monitoring data compiled to satisfy the Permit requirements. Minimum monitoring requirements are summarized in LAC 33:V.3005.F. In

accordance with LAC 33:V.3005.F.2, all continuous monitors shall record data in units corresponding to the Permit limit unless otherwise specified in the Permit.

Electronic records may be maintained, in lieu of paper copies.

V.C.4. Performance Standards

V.C.4.a. Requirements

The Permittee shall comply with the performance standards specified in this Permit when hazardous waste is burned in the boilers (LAC 33:V.3009-3015).

V.C.4.a.(1). The boilers shall achieve a Destruction and Removal Efficiency (DRE) of 99.99 percent for each principal organic hazardous constituent (POHC). The DRE shall be determined by using the method specified in LAC 33:V.3009.A.

V.C.4.a.(2). The Permittee shall control hydrogen chloride (HCl) emissions such that the rate of emission from the stack is no greater than that specified in LAC 33:V.3015.

V.C.4.a.(3). The emissions of particulate matter shall not exceed 0.08 grains per dry standard cubic foot of stack gas, corrected to seven (7) percent oxygen by volume, in accordance with the formula specified in LAC 33:V.3011.

V.C.4.a.(4). The emissions of carbon monoxide, corrected to seven (7) percent oxygen, shall not exceed 100 parts per million by volume on an hourly rolling average in accordance with LAC 33:V.3009.B.

V.C.4.b. Records

The Permittee shall record in the facility operating record all occasions on which waste is fed to the boilers and when the operating limits specified in this Permit are exceeded.

Electronic records may be maintained, in lieu of paper copies.

V.C.5. Automatic Waste Feed Cut Off

V.C.5.a. Requirements

V.C.5.a.(1). The Permittee shall operate the systems specified in Tables 10, 12 and 14 of this Permit to automatically cut off the

hazardous waste feed when the monitored operating conditions deviate from the set points specified in the Permit.

V.C.5.a.(2). Operating parameters for which Permit limits are established must continue to be monitored following the cut off, and the hazardous waste feed shall not be restarted until the levels of those parameters that caused the automatic waste feed cut off are restored to Permit limits.

All other parameters must also be within Permit limits.

V.C.5.a.(3). In the event of a malfunction of the automatic waste feed cut off system, the Permittee shall immediately cut off and/or lock out the waste feed.

V.C.5.b. Records

V.C.5.b.(1). The Permittee shall record in the facility operating record the date and time of all automatic waste feed cut off events. The records shall also include the known or suspected cause of the automatic waste feed cut off, the triggering parameters, the corrective actions taken, the duration of the event, and the date and time of restarting waste feed following the automatic waste feed cut off.

Electronic records may be maintained, in lieu of paper copies.

V.C.5.b.(2). The Permittee shall record in the facility operating record all failures of the automatic waste feed cut off system, including the date and time of the failure, a description of the failure, root cause of the failure, and corrective actions taken.

V.C.5.b.(3). The operating record shall be maintained in an organized manner for a period of not less than three (3) years and be available at all times for inspection by the Administrative Authority. (LAC 33:V.3005.H)

V.C.6. <u>Reports</u>

The date, cause, and remedial action for each waste feed cut off activation shall be documented in the operating record. A summary of such occurrences must be included in the annual report. The Permittee shall report in writing to the Administrative Authority if there are more than fifty (50) Permit required waste feed cut offs for any boiler in a month. This report shall be due within thirty (30) days after the end of such month

and shall include cause and remedial actions taken.

V.C.7. Regulation Of Residues

The Permittee shall regulate all hazardous waste combustion residues in accordance with LAC 33:V.3025.

TABLE 9
BOILER INSPECTIONS

Equipment/Instrument	Inspection Elements	Inspection Frequency
Burner System	Leaks in manifold	Daily
Waste tank system	Tank Integrity	Daily
	Level Controls	Daily
	Overflow Alarms and Controls	Daily
	Secondary Containment	Daily
Boilers	Fugitive Emissions	Daily
	Refractory	Every planned entry into the BIF unit
Continuous Process Monitors	Out-of-tolerance Operational Data	Daily
Automatic Waste Feed Cut Off System(AWFCO) System[1]	Operability	Monthly

[1] Each boiler shall be subject to the provision for conducting inspections on each boiler's AWFCO system until the compliance date of the Boiler and Industrial Furnace (BIF) Maximum Achievable Control Technology (MACT) rule under 40 CFR 63 Subpart EEE.

V.D. SPECIFIC OPERATING CONDITIONS FOR THE ANILINE II BOILER

The Aniline 2 Boiler shall be subject to the following provisions and operating conditions until such time the Permittee conducts a Comprehensive Performance Test (CPT) in accordance with the Hazardous Waste Combustors Maximum Achievable Control Technology (HWC-MACT) timelines and requirements. After the Administrative Authority issues a Finding of Compliance on the results of the initial CPT, this permit will be modified and the provisions and operating conditions pertaining to the normal operation of the Aniline 2 Boiler will be transferred to the Permittee's Title V Air Permit.

V.D.1. Process Operating Conditions

The unit must be operated within the conditions prescribed below at all times while hazardous waste is in the unit. (LAC 33:V.3005.E.1 and LAC 33:V.3005.E.2.c)

V.D.1.a. Group A Parameter Limits

The Permittee shall operate the boiler with a functioning system to automatically cut off waste feed to the combustion unit when operating conditions deviate from those established in Table 10 and below:

V.D.1.a.(1). Whenever hazardous waste is in the unit, the hourly rolling average waste feed rate to the boiler shall be maintained below the maximum value of 1,237 pounds per hour.

V.D.1.a.(2). Whenever hazardous waste is in the unit, the hourly rolling average combustion chamber temperature shall be maintained above the minimum value of 1769°F.

V.D.1.a.(3). Whenever hazardous waste is in the unit, the hourly rolling average combustion gas flow rate shall be maintained below a maximum value of 47,330 pounds per hour.

V.D.1.a.(4). Whenever hazardous waste is in the unit, the hourly rolling average carbon monoxide (CO) level shall be maintained below the maximum value of 100 parts per million volume, continuously corrected to seven (7) percent oxygen, dry gas basis in accordance with LAC 33:V.3009.B-C.

V.D.1.a.(5). Whenever hazardous waste is in the unit, the instantaneous baghouse differential pressure shall be no less than 0.25 inches of water column.

V.D.1.b. Group B Parameter Limits

The Permittee shall operate the boiler without exceeding these limits (see Table 11), although these limits are not part of the automatic waste feed cut off set points.

V.D.1.b.(1). The hourly rolling average production rate as raw material feed rate shall be no greater than 1,237 pounds per hour.

V.D.1.b.(2). The combined total chloride and chlorine feed rate from all feedstreams shall be no greater than 2.39 pounds per hour, hourly rolling average (Adjusted Tier 1).

V.D.1.b.(3). The hourly rolling average total ash feed rate shall be no greater than 38.07 pounds per hour.

V.D.1.b.(4). The hourly rolling average metal feed rates from all feedstreams to the boiler's combustion chamber shall not exceed the following limits:

Antimony (Adjusted Tier 1) 1.79 pounds per hour

*Arsenic (Adjusted Tier I) 0.01 pounds per hour

Barium (Adjusted Tier I) 299.32 pounds per hour

*Beryllium (Adjusted Tier I) 0.03 pounds per hour

*Cadmium (Adjusted Tier I) 0.03 pounds per hour

*Chromium (Adjusted Tier I) 0.005 pounds per hour

Lead (Adjusted Tier I) 0.54 pounds per hour

Mercury (Adjusted Tier I) 1.79 pounds per hour

Silver (Adjusted Tier I) 17.96 pounds per hour

Thallium (Adjusted Tier I) 2.99 pounds per hour

*The feed rate of arsenic, beryllium, cadmium, and chromium is limited to a level such that the sum of the ratios of the actual feed rate to the feed rate limit specified in Condition V.D.1.b.(4) shall not exceed 1.0, as provided by the following equation:

$$\sum_{i=1}^{n} AFR_{(i)}/FRL_{(i)} \leq 1.0$$

$AFR_{(i)}$ = **Actual Feed Rate (AFR)**
The actual feed rate of carcinogenic metal (i) introduced into the combustion chamber from all boiler feedstreams.

N = Number of Carcinogenic Metals.

$FRL_{(i)}$ = **Feed Rate Limit (FRL)**
The regulatory feed limit of carcinogenic metal (i) listed in V.D.1.b.(4)

V.D.1.b.(5). O_2 shall be monitored continuously whenever hazardous waste is in the industrial furnace, in accordance with CEMS regulations. O_2 level is provided as a correction factor, and as such, no limit is provided under this condition.

V.D.1.c. Group C Parameter Limits

The Permittee shall operate the boiler without exceeding these limits, although these limits are not part of the automatic waste feed cut off set points.

V.D.1.c.(1). The instantaneous inlet baghouse temperature shall be no greater than 445°F.

V.D.1.c.(2). Whenever hazardous waste is in the unit, the Permittee shall maintain the waste feed in a flowable form.

V.D.1.c.(3). The Permittee shall immediately stop the flow of hazardous waste into the combustion unit should sample flow to the Continuous Emissions Monitoring System (CEMS) cease, outside of normal calibration periods.

V.D.1.c.(4). At a minimum, the Permittee shall analyze values from the Continuous Emissions Monitoring System (CEMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements in accordance with 40 CFR 266 Appendix IX Condition 2.1.2.1.

V.D.1.c.(5). For a Continuous Monitoring System (CMS) operated to ensure compliance with these regulations, the Permittee must maintain and operate the monitors consistent with the manufacturer's specifications.

V.D.1.c.(6). At a minimum, the Permittee shall analyze values from the Continuous Monitoring System (CMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements.

V.D.1.c.(7). Whenever hazardous waste is in the boiler, the unit must be kept totally sealed to protect against the escape of fugitive emissions. In accordance with LAC 33:V.3005.E.7, the Permittee must monitor the outside of the combustion unit for signs of fugitives at least daily or document a continuous negative pressure in the combustion chamber.

TABLE 10
Group A Parameter Limits for the Aniline II Boiler
(Automatic Waste Feed Cut Offs)

CONTROL PARAMETER	FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT
Maximum Hazardous Waste Feed Rate	1,237 lb/hr, hourly rolling average
Minimum Combustion Chamber Temperature	1,769°F, hourly rolling average
Maximum Combustion Gas Flow Rate	47,330 lb/hr, hourly rolling average
Maximum Stack Gas Carbon Monoxide	100 ppmv, corrected to 7% oxygen of a dry gas basis, hourly rolling average
Minimum Baghouse Differential Pressure	>0.25 in. w.c., instantaneous

TABLE 11
Group B & C Parameter Limits for the Aniline II Boiler

CONTROL PARAMETER	FINAL OPERATING LIMITS
Maximum Production Rate as Raw Material Feed Rate	1,237 lb/hr, hourly rolling average
Maximum Total Chloride and Chlorine Feed Rate (Adjusted Tier I)	2.39 lb/hr, hourly rolling average
Maximum Ash Feed Rate	38.07 lb/hr, hourly rolling average
Maximum Feed Rate of Antimony (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
*Maximum Feed Rate of Arsenic (Adjusted Tier I)	0.01 lb/hr, hourly rolling average
Maximum Feed Rate of Barium (Adjusted Tier I)	299.32 lb/hr, hourly rolling average
*Maximum Feed Rate of Beryllium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Cadmium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Chromium (Adjusted Tier I)	0.005 lb/hr, hourly rolling average
Maximum Feed Rate of Lead (Adjusted Tier I)	0.54 lb/hr, hourly rolling average
Maximum Feed Rate of Mercury (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
Maximum Feed Rate of Silver (Adjusted Tier I)	17.96 lb/hr, hourly rolling average
Maximum Feed Rate of Thallium (Adjusted Tier I)	2.99 lb/hr, hourly rolling average
Maximum Baghouse Inlet Temperature	445°F, instantaneous

* Carcinogenic Metal – Feed rate is further limited to a level such that the sum of the actual feed rate, divided by the allowable feed rate for all carcinogenic metals, shall be less than or equal to 1.00.

V.E. SPECIFIC OPERATING CONDITIONS FOR THE DPA 1 SUPERHEATER

The DPA 1 Superheater shall be subject to the following provisions and operating conditions until such time the Permittee conducts a Comprehensive Performance Test (CPT) in accordance with the Hazardous Waste Combustors Maximum Achievable Control Technology (HWC-MACT) timelines and requirements. After the Administrative Authority issues a Finding of Compliance on the results of the initial CPT, this permit will be modified and the provisions and operating conditions pertaining to the normal operation of the DPA 1 Superheater will be transferred to the Permittee's Title V Air Permit.

V.E.1. Process Operating Conditions

The unit must be operated within the conditions prescribed below at all times while hazardous waste is in the unit. (LAC 33:V.3005.E.1 and LAC 33:V.3005.E.2.c)

V.E.1.a. Group A Parameter Limits

The Permittee shall operate the boiler with a functioning system to automatically cut off waste feed to the combustion unit when operating conditions deviate from those established in Table 12 and below:

V.E.1.a.(1). Whenever hazardous waste is in the unit, the hourly rolling average waste feed rate to the boiler shall be maintained below the maximum value of 733 pounds per hour.

V.E.1.a.(2). Whenever hazardous waste is in the unit, the hourly rolling average combustion chamber temperature shall be maintained above the minimum value of 1849°F.

V.E.1.a.(3). Whenever hazardous waste is in the unit, the hourly rolling average combustion gas flow rate shall be maintained below a maximum of 24,530 pounds per hour.

V.E.1.a.(4). Whenever hazardous waste is in the unit, the hourly rolling average carbon monoxide (CO) level shall be maintained below the maximum value of 100 parts per million volume, continuously corrected to seven (7) percent oxygen, dry gas basis in accordance with LAC 33:V.3009.B-C.

V.E.1.b. Group B Parameter Limits

The Permittee shall operate the boiler without exceeding these limits (see Table 13), although these limits are not part of the automatic waste feed cut off set points

V.E.1.b.(1). The hourly rolling average production rate as heat input shall be no greater than 19.8 million British Thermal Units per hour (BTU/hr).

V.E.1.b.(2). The combined total chloride and chlorine feed rate from all feedstreams shall be no greater than 2.39 pounds per hour, hourly rolling average (Adjusted Tier 1).

V.E.1.b.(3). The hourly rolling average total ash feed rate shall be no greater than 1.18 pounds per hour.

V.E.1.b.(4). The hourly rolling average metal feed rates from all feedstreams to the boiler's combustion chamber shall not exceed the following limits:

Antimony (Adjusted Tier 1) 1.79 pounds per hour

*Arsenic (Adjusted Tier I) 0.01 pounds per hour

Barium (Adjusted Tier I) 299.32 pounds per hour

*Beryllium (Adjusted Tier I) 0.03 pounds per hour

*Cadmium (Adjusted Tier I) 0.03 pounds per hour

*Chromium (Adjusted Tier I) 0.005 pounds per hour

Lead (Adjusted Tier I) 0.54 pounds per hour

Mercury (Adjusted Tier I) 1.79 pounds per hour

Silver (Adjusted Tier I) 17.96 pounds per hour

Thallium (Adjusted Tier I) 2.99 pounds per hour

*The feed rate of arsenic, beryllium, cadmium, and chromium is limited to a level such that the sum of the ratios of the actual feed rate to the feed rate limit specified in Condition V.E.1.b.(4) shall not exceed 1.0, as provided by the following equation:

$$\sum_{i=1}^{n} AFR_{(i)}/FRL_{(i)} \leq 1.0$$

$AFR_{(i)}$ = **Actual Feed Rate (AFR)**
The actual feed rate of carcinogenic metal (i) introduced into the combustion chamber from all boiler feedstreams.

N = Number of Carcinogenic Metals.

$FRL_{(i)}$ = **Feed Rate Limit (FRL)**
The regulatory feed limit of carcinogenic metal (i) listed in V.E.1.b.(4)

V.E.1.b.(5). O_2 shall be monitored continuously whenever hazardous waste is in the industrial furnace, in accordance with CEMS regulations. O_2 level is provided as a correction factor, and as such, no limit is provided under this condition.

V.E.1.c. Group C Parameter Limits

The Permittee shall operate the boiler without exceeding these limits, although these limits are not part of the automatic waste feed cut off set points.

V.E.1.c.(1). Whenever hazardous waste is in the unit, the Permittee shall maintain the waste feed in a flowable form.

V.E.1.c.(2). The Permittee shall immediately stop the flow of hazardous waste into the combustion unit should sample flow to the Continuous Emissions Monitoring System (CEMS) cease, outside of normal calibration periods.

V.E.1.c.(3). At a minimum, the Permittee shall analyze values from the Continuous Emissions Monitoring System (CEMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements in accordance with 40 CFR 266 Appendix IX Condition 2.1.2.1.

V.E.1.c.(4). For a Continuous Monitoring System (CMS) operated to ensure compliance with these regulations, the Permittee must maintain and operate the monitors consistent with the manufacturer's specifications.

V.E.1.c.(5). At a minimum, the Permittee shall analyze values from the Continuous Monitoring System (CMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements.

V.E.1.c.(6). Whenever hazardous waste is in the boiler, the unit must be kept totally sealed to protect against the escape of fugitive emissions. In accordance with LAC 33:V.3005.E.7, the Permittee must monitor the outside of the combustion unit for signs of fugitives at least daily or document a continuous negative pressure in the combustion chamber.

TABLE 12
Group A Parameter Limits for the DPA I Superheater
(Automatic Waste Feed Cut Offs)

CONTROL PARAMETER	FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT
Maximum Hazardous Waste Feed Rate	733 lb/hr, hourly rolling average
Minimum Combustion Chamber Temperature	1,849°F, hourly rolling average
Maximum Combustion Gas Flow Rate	24,530 lb/hr, hourly rolling average
Maximum Stack Gas Carbon Monoxide	100 ppmv, corrected to 7% oxygen of a dry gas basis, hourly rolling average

TABLE 13
Group B & C Parameter Limits for the DPA I Superheater

CONTROL PARAMETER	FINAL OPERATING LIMITS
Maximum Production Rate as Heat Input	19.8 MMBTU/hr, hourly rolling average
Maximum Total Chloride and Chlorine Feed Rate (Adjusted Tier I)	2.39 lb/hr, hourly rolling average
Maximum Ash Feed Rate	1.18 lb/hr, hourly rolling average
Maximum Feed Rate of Antimony (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
*Maximum Feed Rate of Arsenic (Adjusted Tier I)	0.01 lb/hr, hourly rolling average
Maximum Feed Rate of Barium (Adjusted Tier I)	299.32 lb/hr, hourly rolling average
*Maximum Feed Rate of Beryllium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Cadmium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Chromium (Adjusted Tier I)	0.005 lb/hr, hourly rolling average
Maximum Feed Rate of Lead (Adjusted Tier I)	0.54 lb/hr, hourly rolling average
Maximum Feed Rate of Mercury (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
Maximum Feed Rate of Silver (Adjusted Tier I)	17.96 lb/hr, hourly rolling average
Maximum Feed Rate of Thallium (Adjusted Tier I)	2.99 lb/hr, hourly rolling average

* Carcinogenic Metal – Feed rate is further limited to a level such that the sum of the actual feed rate, divided by the allowable feed rate for all carcinogenic metals, shall be less than or equal to 1.00.

V.F. SPECIFIC OPERATING CONDITIONS FOR THE DPA II SUPERHEATER

The DPA II Superheater shall be subject to the following provisions and operating conditions until such time the Permittee conducts a Comprehensive Performance Test (CPT) in accordance with the Hazardous Waste Combustors Maximum Achievable Control Technology (HWC-MACT) timelines and requirements. After the Administrative Authority issues a Finding of Compliance on the results of the initial CPT, this permit will be modified and the provisions and operating conditions pertaining to the normal operation of the DPA II Superheater will be transferred to the Permittee's Title V Air Permit.

V.F.1. Process Operating Conditions

The unit must be operated within the conditions prescribed below at all times while hazardous waste is in the unit (LAC 33:V.3005.E.1 and LAC 33:V.3005.E.2.c).

V.F.1.a. Group A Parameter Limits

The Permittee shall operate the boiler with a functioning system to automatically cut off waste feed to the combustion unit when operating conditions deviate from those established in Table 14 and below:

V.F.1.a.(1). Whenever hazardous waste is in the unit, the hourly rolling average waste feed rate to the boiler shall be maintained below the maximum value of 693 pounds per hour.

V.F.1.a.(2). Whenever hazardous waste is in the unit, the hourly rolling average combustion chamber temperature shall be maintained above the minimum value of 1,801°F.

V.F.1.a.(3). Whenever hazardous waste is in the unit, the hourly rolling average combustion gas flow rate shall be maintained below a maximum of 11,760 pounds per hour.

V.F.1.a.(4). Whenever hazardous waste is in the unit, the hourly rolling average carbon monoxide (CO) level shall be maintained below the maximum value of 100 parts per million volume, continuously corrected to seven (7) percent oxygen, dry gas basis in accordance with LAC 33:V.3009.B-C.

V.F.1.b. Group B Parameter Limits

The Permittee shall operate the boiler without exceeding these limits (see Table 15), although these limits are not part of the automatic waste feed cut off set points.

V.F.1.b.(1). The hourly rolling average production rate as heat input shall be no greater than 18.35 million British Thermal Units per hour (BTU/hr).

V.F.1.b.(2). The combined total chloride and chlorine feed rate from all feedstreams shall be no greater than 2.39 pounds per hour, hourly rolling average (Adjusted Tier 1).

V.F.1.b.(3). The hourly rolling average total ash feed rate shall be no greater than 1.66 pounds per hour.

V.F.1.b.(4). The hourly rolling average metal feed rates from all feedstreams to the boiler's combustion chamber shall not exceed the following limits:

Antimony (Adjusted Tier 1) 1.79 pounds per hour

*Arsenic (Adjusted Tier I) 0.01 pounds per hour

Barium (Adjusted Tier I) 299.32 pounds per hour

*Beryllium (Adjusted Tier I) 0.03 pounds per hour

*Cadmium (Adjusted Tier I) 0.03 pounds per hour

*Chromium (Adjusted Tier I) 0.005 pounds per hour

Lead (Adjusted Tier I) 0.54 pounds per hour

Mercury (Adjusted Tier I) 1.79 pounds per hour

Silver (Adjusted Tier I) 17.96 pounds per hour

Thallium (Adjusted Tier I) 2.99 pounds per hour

*The feed rate of arsenic, beryllium, cadmium, and chromium is limited to a level such that the sum of the ratios of the actual feed rate to the feed rate limit specified in Condition V.F.1.b.(4) shall not exceed 1.0, as provided by the following equation:

$$\sum_{i=1}^{n} AFR_{(i)}/FRL_{(i)} \leq 1.0$$

$AFR_{(i)}$ = **Actual Feed Rate (AFR)**
The actual feed rate of carcinogenic metal (i) introduced into the combustion chamber from all boiler feedstreams.

N = Number of Carcinogenic Metals.

$FRL_{(i)}$ = **Feed Rate Limit (FRL)**
The regulatory feed limit of carcinogenic metal (i) listed in V.F.1.b.(4)

V.F.1.b.(5). O_2 shall be monitored continuously whenever hazardous waste is in the industrial furnace, in accordance with CEMS regulations. O_2 level is provided as a correction factor, and as such, no limit is provided under this condition.

V.F.1.c. Group C Parameter Limits

The Permittee shall operate the boiler without exceeding these limits, although these limits are not part of the automatic waste feed cut off set points.

V.F.1.c.(1). Whenever hazardous waste is in the unit, the Permittee shall maintain the waste feed in a flowable form.

V.F.1.c.(2). The Permittee shall immediately stop the flow of hazardous waste into the combustion unit should sample flow to the Continuous Emissions Monitoring System (CEMS) cease, outside of normal calibration periods.

V.F.1.c.(3). At a minimum, the Permittee shall analyze values from the Continuous Emissions Monitoring System (CEMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements in accordance with 40 CFR 266 Appendix IX Condition 2.1.2.1.

V.F.1.c.(4). For a Continuous Monitoring System (CMS) operated to ensure compliance with these regulations, the Permittee must maintain and operate the monitors consistent with the manufacturer's specifications.

V.F.1.c.(5). At a minimum, the Permittee shall analyze values from the Continuous Monitoring System (CMS) every fifteen (15) seconds. The Permittee must record these values every sixty (60) seconds to demonstrate compliance with the monitoring requirements.

V.F.1.a.(6). Whenever hazardous waste is in the boiler, the unit must be kept totally sealed to protect against the escape of fugitive emissions. In accordance with LAC 33:V.3005.E.7, the Permittee must monitor the outside of the combustion unit for signs of fugitives at least daily or document a continuous negative pressure in the combustion chamber.

TABLE 14
Group A Parameter Limits for the DPA II Superheater
(Automatic Waste Feed Cut Offs)

CONTROL PARAMETER	FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT
Maximum Hazardous Waste Feed Rate	693 lb/hr, hourly rolling average
Minimum Combustion Chamber Temperature	1,801°F, hourly rolling average
Maximum Combustion Gas Flow Rate	5,050 cfm, hourly rolling average
Maximum Stack Gas Carbon Monoxide	100 ppmv, corrected to 7% oxygen of a dry gas basis, hourly rolling average

TABLE 15
Group B & C Parameter Limits for the DPA II Superheater

CONTROL PARAMETER	FINAL OPERATING LIMITS
Maximum Production Rate as Heat Input	18.35 MMBTU/hr, hourly rolling average
Maximum Total Chloride and Chlorine Feed Rate (Adjusted Tier I)	2.39 lb/hr, hourly rolling average
Maximum Ash Feed Rate	1.66 lb/hr, hourly rolling average
Maximum Feed Rate of Antimony (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
*Maximum Feed Rate of Arsenic (Adjusted Tier I)	0.01 lb/hr, hourly rolling average
Maximum Feed Rate of Barium (Adjusted Tier I)	299.32 lb/hr, hourly rolling average
*Maximum Feed Rate of Beryllium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Cadmium (Adjusted Tier I)	0.03 lb/hr, hourly rolling average
*Maximum Feed Rate of Chromium (Adjusted Tier I)	0.005 lb/hr, hourly rolling average
Maximum Feed Rate of Lead (Adjusted Tier I)	0.54 lb/hr, hourly rolling average
Maximum Feed Rate of Mercury (Adjusted Tier I)	1.79 lb/hr, hourly rolling average
Maximum Feed Rate of Silver (Adjusted Tier I)	17.96 lb/hr, hourly rolling average
Maximum Feed Rate of Thallium (Adjusted Tier I)	2.99 lb/hr, hourly rolling average

* Carcinogenic Metal – Feed rate is further limited to a level such that the sum of the actual feed rate, divided by the allowable feed rate for all carcinogenic metals, shall be less than or equal to 1.00.

V.G. RISK-BASED CONDITIONS

(RESERVED)

V.H. AIR EMISSION STANDARDS

V.H.1. Performance Standards for Equipment Leaks

The Permittee is demonstrating compliance with LAC 33:V.1717-1745 by complying with 40 CFR 63 Subpart H. In the event that 40 CFR 63 Subpart H becomes no longer applicable, the Permittee shall comply with LAC 33:V.1717-1745.

V.H.2. Standards for Container Storage Areas

The Permittee shall comply with the applicable requirements of LAC 33:V.1747-1799 for Container Storage Area No. 1, as listed in Table 8.

V.H.3. Standards for Tanks

The Permittee shall comply with the applicable requirements of LAC 33:V.1747-1799 for Tank MS-8648, as listed in Table 16.

TABLE 16
Emission Controls for Tanks

TANK	LAC REFERENCE(S)	AIR EMISSION CONTROLS
MS-8648	LAC 33:V.1755.A-C, J, and K; LAC 33:V.1763-1767	Level 1 Controls

VI. GROUND WATER PROTECTION

VI.A. APPLICABILITY

The regulations of Louisiana Administrative Code (LAC), Title 33, Part V, Chapter 3, 5, 15, 25, 27, 29, 30, 33, 35, and 37, and the Louisiana Hazardous Waste Control Law Revised Statute (R.S.) 30:2171 et seq., of the Environmental Quality Control Act, R.S. 30:2001 et seq., and the provisions of this Condition shall apply to ground water protection programs for facilities that are used to treat, store, and dispose hazardous wastes at Rubicon, LLC in Geismar, LA. **No active regulated units are included in this Permit which are subject to Ground Water monitoring under LAC 33:V.3317, 3319 or 3321 at this time.**

V1.B. The Permittee shall comply with the monitoring, response, and corrective action provisions for the existing and any new systems in accordance with LAC 33:V.Chapter 33 and as outlined in Rubicon's Final Post-Closure Permit for the North and South Ponds (i.e., Condition VIII, (CAS)) to be issued at a later date.

VI.C. If ground water contamination is confirmed as a result of operations related to past or present hazardous waste management facilities associated with this site, the Permittee shall establish, expand, or continue assessment and corrective action programs in accordance with the requirements of LAC 33:V.Chapter 33 and as subsequently directed by the Administrative Authority.

ATTACHMENT 1

ATTACHMENT 1
LIST OF FACILITY DOCUMENTS INCORPORATED
IN THE PERMIT BY REFERENCE
LAD008213191
AI#1468

DOCUMENT TYPE	APPLICATION/DOCUMENT DATE	ELECTRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID	COMMENTS
Financial Assurance	9/24/08	38078173	Updated Financial Assurance documentation.
Closure/Post-Closure cost estimates	5/22/08	36918041	Updated Closure/Post Closure cost estimates.
Closure/Post-Closure Plan	5/22/08	36918041	Updated Closure/Post-Closure Plan
Waste Analysis Plan	5/22/08	36918041	Updated Waste Analysis Plan
Contingency Plan	8/8/07	36179014	Updated Contingency Plan
Inspection Schedule	9/19/07	36179014	Updated Inspection Schedule
Security Plan	6/25/08	37036241	Updated Security Plan
Training Plan	8/8/07	36179014	Updated Training Plan
Arrangements with Local Authorities	2/8/08	36587029	Updated Arrangements with Local Authorities

RESPONSIVENESS SUMMARY

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 1

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Wording of "Titles" in the Table of Contents and Sections of the Draft Permit.

Comment:

Table of Contents	Within the Body of Permit
III. General Permit Conditions	III. General Facility Conditions
III.A. Design and Operation of All Facilities	III.A. Design and Operation of All Units
IV. Permitted Closed Units	IV. Permitted Facilities

LDEQ Response: The Department acknowledges your comment.

Action: The permit will be revised as below:

Table of Contents	Within the Body of Permit
III. General Permit Conditions	III. General Permit Conditions
III.A. Design and Operation of All Facilities	III.A. Design and Operation of All Facilities
IV. Permitted Facilities	IV. Permitted Facilities

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item:	2
Reference:	Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.
Issue:	Hazardous Waste Permit Information Form (formerly the Part A Application).
Comment:	**Latest version not included in the Draft Permit. Latest version submitted to the LDEQ on August 12, 2008.**
LDEQ Response:	The Department acknowledges and concurs with your comment.
Action:	The latest revised Hazardous Waste Permit Information Form (formerly the Part A Application) will be included in the final permit.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 3

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Schedule of Compliance, Page 13, Conditions II.E.21.a and E.21.c

Comment: **On September 10, 2008, Judge Michael Domingue, Administrative Law Judge with the Louisiana Division of Administrative Law (DAL), ordered that LDEQ Compliance Order (Enforcement Tracking Number HE-C-06-0025), be recalled by LDEQ. *In the Matter of Rubicon, LLC,* Docket Number 2007-9342-EQ, Appendix 1 of the comments submitted on September 19, 2008, contains a copy of the DAL's Decision and Order. Accordingly, Rubicon requests that paragraphs II.E.21.a, II.E.21.a.(1), II.E.21.a.(2), and II.E.21.c, be deleted from the Schedule of Compliance in the Draft Permit.**

LDEQ Response: The Department acknowledges your comment, but does not concur. The decision rendered by the Administrative Law Judge with the Louisiana DAL on September 10, 2008 (*In the Matter of Rubicon, LLC, Docket Number 2007-9342-EQ*), was a recall of the Compliance Order (*Enforcement Tracking Number HE-C-06-0025),* issued by LDEQ on October 6, 2006. The decision rendered is in reference to an enforcement issue, not a permitting issue and therefore does not affect the Conditions of II.E.21.a, II.E.21.a.(1), II.E.21.a.(2), and II.E.21.c of the Final Hazardous Waste Operating Renewal Permit and the issuance thereof. However, Conditions II.E.21, Schedule of Compliance, and V.A.3, Secondary Containment, will be revised to address impermeable coatings in the permitted tank systems secondary containment area.

In addition, Condition V.A.3.a of the Draft Permit states that "The Permittee shall design, construct, operate, and maintain the secondary containment system in accordance with LAC 33:V.1907.B-F...." This particular regulatory citation was adopted by the LDEQ from the federal regulatory citations of the United States Environmental Protection Agency (USEPA) 40 CFR 264.193.(b)-(f) and reflected in the final rule of the Federal Register, Volume 53, No. 171, September 2, 1988, pages 34079 and 34084.

Action: The permit will be revised to state as follows:

II.E.21. Schedule of Compliance

II.E.21.a. Compliance with LAC 33:V.1907 - Within one hundred and eighty (180) days of the effective date of this Permit, the Permittee shall submit for review and approval by the Administrative Authority one of the following:

II.E.21.a.(1). A plan for installing impermeable coatings for each permitted tank system designated in Table 7 of this Permit that utilizes a bare concrete external liner system to meet the secondary containment requirement. The plan must contain the following items: 1) engineering specifications for the impermeable coatings and preparation and treatment of joints that will be utilized, including compatibility with the waste being stored; and 2) a proposed schedule for completing the installation of the impermeable coatings; or

II.E.21.a.(2). Information demonstrating that the secondary containment system for each permitted tank system designated in Table 7 of this Permit that utilizes a bare concrete external liner system meets all requirements of LAC 33:V.1907. The submittal must contain documentation including, but not limited to, the following information:

II.E.21.a.(2).a. detailed information on the secondary containment system, including, but not limited to: 1) the design and installation specifications for any concrete joints; 2) the characteristics of any joint sealant used, including its compatibility with the waste stored in the tank system; and 3) the characteristics of the concrete mix design and any American Concrete Institute or other applicable codes used;

II.E.21.a.(2).b. the physical and chemical characteristics of the waste in the tank system, including its potential for migration and compatibility with the containment system;

II.E.21.a.(2).c. any other factors that influence the quality and mobility of hazardous constituents and the potential for them to migrate through the external liner system to the environment.

II.E.21.b. If the Permittee chooses to comply with Condition II.E.21.a.(1), within thirty (30) days of installing the impermeable coatings discussed in Permit Condition II.E.21.a.(1), the Permittee shall submit an installation inspection report of the impermeable coatings certified by an independent, qualified, Louisiana registered professional engineer.

II.E.21.c. **Proposed Changes Specific to Tanks MS-431, MS-603, and MS-2207** - Within sixty (60) days of the effective date of this Permit, the Permittee shall submit for review and approval by the Administrative Authority, a schedule for the initiation and completion of the proposed changes to the secondary containment areas of Tank MS-431, Tank MS-603, and Tank MS-2207.

II.E.21.d. Within thirty (30) days of completing the construction of the proposed changes to the secondary containment areas discussed in Condition II.E.21.c, the Permittee shall submit an installation inspection report for the secondary containment areas, certified by an independent, qualified, Louisiana registered professional engineer.

II.E.21.e. **Updated Financial Assurance** - Within thirty (30) days of the effective date of this Permit, the Permittee shall submit updated Financial Assurance information in accordance with LAC 33:V.Chapter 37.

V.A.3. Secondary Containment

V.A.3.a. Duty to Comply with LAC 33:V.1907.B through F

The Permittee shall design, construct, operate, and maintain the secondary containment system in accordance with LAC 33:V.1907.B-F, the Part B Permit Application, and Condition II.E.21 and Table 7 of this Permit.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 4

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition III.C.2

Comment: **Condition III.C.2 states:**

> **If there is reason to believe that the hazardous waste has changed or the operation generating the hazardous waste has changed, the Permittee shall review and re-characterize all hazardous waste streams generated by the Permittee on-site and treated, stored, or disposed on-site. The Permittee must re-characterize wastes in accordance in accordance with LAC 33:V.1519.A.3. This re-characterization shall include laboratory analyses which provide information needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical components of the waste....**

Rubicon is composed of numerous separate operating units and supporting entities. When a process change occurs in one operating unit, it does not necessarily affect the characteristics of the wastes generated by other operating units. The above condition implies that if a process change occurred in one operating unit, then Rubicon have to re-characterize by testing all hazardous wastes from all units in Rubicon whether all of those streams were affected or not. The addition of the word "affected" in two locations would clarify that re-characterization is not required when a waste stream is not affected by a change.

In addition, the current wording of Condition III.C.2 does not reflect LAC 33:V.1519.A.2 that allows for published or documented data to be used to characterize a waste. Specifically, LAC 33:V.1519.A.2 states that the waste "analysis may include data developed under LAC 33:V.Chapter 49 and existing published or documented data on the hazardous waste or on hazardous waste generated from similar processes." By

changing the reference in the Condition from LAC 33:V.1519.A.3 to LAC 33:V.1519.A, the Condition then reflects the requirements in the hazardous waste regulations for waste characterization and re-characterization.

In addition, the words "in accordance" were repeated twice in one sentence in Condition III.C.2 of the Draft Permit.

Rubicon requests that Condition III.C.2 be modified to read:

"If there is reason to believe that the hazardous waste has changed or the operation generating the hazardous waste has changed, the Permittee shall review and re-characterize all *affected* hazardous waste streams generated by the Permittee on-site and treated, stored, or disposed on-site. The Permittee must re-characterize *the affected* wastes in accordance with LAC 33:V.*1519.A. This re-characterization shall provide* information needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical components of the waste..."

LDEQ Response: The Department acknowledges your comment, but only agrees in part. The language in Condition III.C.2 focuses specifically on re-characterization and the accuracy of the hazardous waste at the site, not the development of chemical and physical analysis of wastes before treatment, storage or disposal at the site. Therefore, LAC 33:V1519.A.1 and A.4 are not applicable.

Rubicon states that LAC 33:V.1519.A.2 is not reflected in Condition III.C.2 allowing for published or documented data for waste characterization. The Department concurs and will revise the language to reference LAC 33:V.1519.A.2.

Therefore, Condition III.C.2 will be revised to state:

"If there is reason to believe that the hazardous waste has changed or the operation generating the hazardous waste has changed, the Permittee shall review and re-characterize all *potentially impacted* hazardous waste streams generated by the Permittee on-site and treated, stored, *and/*or disposed on-site. The Permittee must re-characterize wastes in accordance with LAC 33:V.1519.A.3. This re-characterization shall include laboratory analyses *and additional data, (in accordance with LAC 33:V.1519.A.2) if applicable*, which provides information needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical

components of the waste. The results of this re-characterization shall be summarized in the Permittee's Annual Report.

Also, one of the phrases "in accordance", repeated twice, will be deleted.

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 5

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition III.O., Table 1, Pages 22-26 and Table 4, Pages 29-33.

Comment: **The column labeled "TANKS" in Table 1 of the Draft Permit has incorrect tank references. The table below summarizes which tank numbers need to be revised:**

Draft Permit Page	Draft Permit Reference	Correction	Rubicon's Comments
23	D-8603	*MF-8603*	Incorrect Tank Prefix
24	MF8-8275	*MF-8275*	"
24	MF-8632	*MS-8632*	"
25	MF-8648	*MS-8648*	"

The column labeled "TANKS" in Table 4 of the Draft Permit has incorrect tank references. The table below summarizes which tank numbers need to be revised:

Draft Permit Page	Draft Permit Reference	Correction	Rubicon's Comments
31	MF-8632	*MS-8632*	Incorrect Tank Prefix
31	MF-8648	*MS-8648*	"

There is a "£" next to GF-8189 A through E and in the footnote at the end of Tables 1 and 4 of the Draft Permit. This symbol "£" was used in the HWPI Form to explain the process design capacity for the Sand Filters (GF-8189 A through E) which are also permitted tanks. Tables 1 and 4 of the Draft Permit list the maximum permitted capacity (maximum volume in gallons) for the permitted tanks including GF-8189 A through E and not process design capacity.

The column entitled "Maximum Permitted Capacity (Gallons per Day)" on pages 25 and 32 of the Draft Permit should be changed to "Maximum Permitted Capacity (Gallons)." The symbol "£" and related" £" footnote should be deleted from Tables 1 and 4.

In Table 1 and 4 of the Draft Permit, waste code D023 is listed for permitted tanks MS-2303 and MS-2230. D023 (o-cresol) was a possible waste code that was generated by the TDA process. The TDA process was shut down in July 2005 and no longer exists at Rubicon. All TDA waste codes were deleted from the BIF waste tanks except D023, which was inadvertently not deleted. Rubicon requests that waste code D023 be deleted from Tables 1 and 4 for tanks MS-2303 and MS-2230. After the deletion, the codes listed in Table 1 and 4 for the BIF wastes will match the waste codes listed in the current HWRI Form.

It should be noted that Rubicon is in a unique situation concerning waste codes in permitted hazardous waste tanks that contain effluent waste. Rubicon has over 270 waste codes that can be injected into the permitted deepwell under its EPA approved No-migration Petition. To be deepwell injected, these possible effluent waste streams would flow through permitted tanks (MF-8603, MF-8616, MF-8638 A, MF-8638 B, MF-8638 C, MS-8632, MS-8648, GF-8189 A, GF-8189 B, GF-8189 C, GF-8189 D, GF-8189 E, and MF-8275). Not all of the authorized waste codes from the No-Migration Petition are listed in Tables 1 and 4 of the Draft Permit for the effluent tanks.

A way to minimize the difference and meld the waste codes between the authorized waste codes that can be deepwell injected and the waste codes listed for the effluent tanks is to copy what was done in the Draft Permit for the container storage area (Table 5, Page 33) and the BIF Wastes (Condition V.C.1.a, Page 53). A reference is given to the current RCRA Subtitle C HWRI Form instead of listing the EPA waste codes. If this is done for the effluent tanks (MF-8603, MF-8616, MF-8638 A, MF-8638 B, MF-8638 C, MS-8632, MS-8648, GF-8189 A, GF-8189 B, GF-8189 C, GF-8189 D, GF-8189 E, and MF-8275) in Tables 1 and 4, the difference between the waste codes listed in the No Migration Petition and the Hazardous Waste Renewal Permit would be minimized. In addition, if the reference is incorporated, then the waste codes in the permit will duplicate the waste codes in the HWRI Form as it does for BIF and containerized waste.

Using Effluent Tank MS-8603 AS AN EXAMPLE, Rubicon requests the wording in Tables 1 and 4 for the effluent tanks (MF-8603, MF-8616, MF-8638 A, MF-8638 B, MF-8638 C, MS-8632, MS-8648, GF-8189 A, GF-8189 B, GF-8189 C, GF-8189 D, GF-8189 E, and MF-8275) be modified to read:

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPCITY (GALLON)
MS-8603*	Waste Effluent Nitrate Equalization Tanks	Refer to Section 10 in the Part A Application of this permit for the possible waste codes	199,920

LDEQ Response: The Department acknowledges and concurs with your comment. The tanks listed in Table 1 with the incorrect tank numbers (**D-8603, MF8-8275, MF-8632, and MF-8648**) will be changed to reflect the correct tank numbers (**MF-8603, MF-8275, MS-8632, and MS-8648**). The tanks listed in Table 4 will also be corrected (**MF-8632 to MS-8632; MF-8648 to MS-8648**).

The Department acknowledges and concurs with your comment. The "£" symbol will be deleted from tanks GF-8189 A through E and in the footnote at the end of Tables 1 and 4 of the Draft Permit.

The Department acknowledges and concurs with your comment. Waste code D023 will be deleted from the "WASTE" column from Tables 1 and 4 for tanks MS-2303 and MS-2230.

The Department acknowledges and concurs with your comment. The wording in the "WASTE" column in Tables 1 and 4 for effluent tanks MF-8603, MF-8616, MF-8638 A, MF-8638 B, MF-8638 C, MS-8632, MS-8648, GF-8189 A, GF-8189 B, GF-8189 C, GF-8189 D, GF-8189 E and MF-8275 will be changed to read:

WASTE
Refer to Section 10 in the Part A Application of this permit for the waste codes

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 6

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition IV.C, Page 34.

Comment: **Condition IV.C addresses combustion units and not tanks. The reference to tanks should be deleted and combustion units added. Rubicon requests that Condition IV.C be modified to read:**

"Details of the existing *combustion units* listed in Table 6..."

LDEQ Response: The Department acknowledges and concurs with your comment.

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 7

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.A.6.e.(1), Page 39.

Comment: **An authorized inspection is not defined in the Draft Permit. It is defined in the tank standards. For clarification, Rubicon requests that Condition V.A.6.e.(1) be modified to read:**

"And authorized inspector as *defined in the applicable standard* shall take tank thickness..."

LDEQ Response: The Department acknowledges and concurs with your comment. Condition V.A.6.e.(1) will be revised to read:

"An authorized inspector, *as defined in the applicable tank inspection standard*, shall take tank thickness measurements on tank tops and shells and shall be taken at least on each tank quadrant at least every two (2) years."

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 8

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.A.6.e.(4) of the Draft Permit states:
"When any tank shell thickness measurement at a single point is less than that required in Table 7, the Permittee shall immediately comply with either Condition V.A.6.e.(4).a or V.A.6.e.(4).b below.
Condition V.A.6.e.(4).b shall not be used for any tank where the shell thickness measurement is less than 0.100 inches."

Comment: **The wording of the second sentence in Condition V.A.6.e.(4) implies that one single shell thickness reading less than 0.100 inches would prevent Rubicon from evaluating the tank fitness for continued service without immediate repair. This is contrary to the tank standards which have prescribed methods to evaluate a tank's fitness for continued service.**

Rubicon's permitted tanks are inspected and evaluated for shell corrosion under API 510, Section 5.7 for pressure vessels and API 653, Section 4.3 for tanks. Though LDEQ uses the generic word "tank" to refer to the facilities in Table 7, industry uses different standards for inspection and evaluation standards for pressure vessels and tanks. The inspection and evaluation standards for pressure vessels and tanks are API-510 and API-653, respectively. Both API 653 and 510 recognize that corrosion can be uniform or localized. API 653, Section 4.3.1.3 states:

> **"Shell corrosion occurs in many forms and varying degrees of severity and may result in a generally uniform loss of metal over a large service area or in localized areas. Pitting may also occur. Each case must be treated as a unique situation and a thorough inspection conducted to determine the nature and extent of corrosion prior to developing a repair procedure. Pitting does not normally represent a significant threat to the overall structure integrity of a shell unless present in a severe form with pits in close proximity to one another.**

Criteria for evaluating both general corrosion and pitting are defined below."

API 510, Section 5.7 states:
"Corrosion may cause a uniform loss (a general, relatively even wastage of a surface area) or may cause a pitted appearance (an obvious, irregular surface wastage)."

While taking thickness measurements in the field, a pit is usually recognized as a spot thickness measurement of a very low value with minimal thickness loss in the immediate surrounding area. Therefore, the standards recognize that some thickness readings can be low, and even less than 0.100 inches, yet not affect the tank's fitness for continued service. Restating API 653 from above "Pitting does not normally represent a significant threat to the overall structure integrity of a shell unless present in a severe form with pits in close proximity to one another."

API 653 and 510 has established criteria to determine when pits can be ignored.

For example API 653, Section 4.3.2.2 states:

"Widely scattered pits may be ignored provide that:
a. No pit depth results in the remaining shell thickness being less than one-half the minimum acceptable tank shell thickness exclusive of the corrosion allowance; and
b. The sum of their dimensions along any vertical line does not exceed 2-in. in an 8-in length."

API 510 criteria are similar and can be found in Section 5.7.

In addition, API 653 and 510 require that the average thickness be used for determining corrosion rates. Therefore, the low pit readings will be included in the evaluation. In addition, both API 653 (see Section 4.3.3.6 of the standard) and API 510 (see Section 5.7 of the standard) allow for additional evaluation under API 579 if the tank shell condition is beyond the scope of the appropriate standard. The calculated minimum shell thickness for Rubicon's permitted tanks are listed in Table 7 of the Draft Permit. The wording of the second sentence of Condition V.A.6.e.(4) indicates one thickness reading of less than 0.100 inches prohibits Rubicon from the ability to perform an industry recognized evaluation to determine fitness for service. Summarizing/simplifying the corrosion evaluation in API 653 and 510

into two sentences negates the value of evaluation that these standards have established.

Rubicon suggests Condition V.A.6.e.(4) be modified to read:

V.A.6.e.(4) ***The Permittee shall follow the prescribed industry inspection standard (API 653 or API 510) listed in Table 7 for each tank for shell thickness evaluation.***

V.A.6.e.(4).a An engineering evaluation shall be performed, conforming to the appropriate industry standard or standards, as allowed by the design or inspection standard in Table 7. If the *continued use* evaluation determines that the tank is unfit for service, the Permittee shall comply with V.A.6.e.(4).b immediately.

The evaluation must be submitted to the Waste Permits Division for approval within forty-five (45) days of the initial measurement.

V.A.6.e.(4).b *When a* tank shall be deemed unfit for use, the Permittee shall immediately stop the flow of hazardous waste into the tank and comply with LAC 33:V.1913. The tank shall be repaired or replaced and the certification required by LAC 33:V.1913.F shall be obtained before the tank is put back into service.

LDEQ Response: The Department acknowledges your comment, but only concurs in part. Condition V.A.6.e requires the Permittee to perform periodic thickness testing, which under normal circumstances does not require tank entry. The Department has recently rewritten the tank inspection portions of its permits to allow for fitness-for-service evaluations as described in the applicable tank inspection standards. These fitness-for-service provisions allow for widely scattered pitting to occur in a tank's inner wall within prescribed limits. Therefore, the determination of actual thickness under the designated inspection codes should not be duly affected by the presence of pits. Because of its duty to protect human health and the environment, the Department reserves the right to maintain minimum requirements for hazardous waste storage tanks. It is the Department's position that no pressure part of a hazardous waste storage tank may be less than 0.100 inch thick, as determined by the appropriate inspection code.

The Department agrees, however, to clarify the language in this Permit Condition to allow for the evaluation of widely scattered pits according to the appropriate inspection code.

In Condition V.A.6.e.(4), after the first sentence, the Final Permit will be revised to read:

"Condition V.A.6.e.(4).b shall not be used for any tank where the *actual* thickness, *as determined by the appropriate inspection standard in Table 7,* is less than 0.100 inches. *Pits shall be treated as allowed by the appropriate inspection standard in Table 7."*

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 9

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.A.7.b.(6), Page 41.

Comment: **Condition V.A.7.b.(6) is taken from LAC 33:V.1913.E.4 and is only applicable to components of a tank system without secondary containment. Condition V.A.7.b.(6) should be clarified to indicate this. Rubicon requests that Condition V.A.7.(6) be modified to read:**

Condition V.A.7.b.(6) If the Permittee replaces a component of the tank system to eliminate a leak *under LAC 33:V.1913.E.4,* that component must satisfy the requirement for a new tank system or components in LAC 33:V.1905 and 1907.

LDEQ Response: The Department acknowledges your comment, but only concurs in part. In the July 14, 1986 Final Rule promulgating the RCRA tank regulations, EPA makes a distinction between replacement and repair of tank system components. EPA specifically states, "Certification is not required for such day-to-day routine maintenance or service practices as replacement or repair of worn portions of tank system components (e.g. valves, bearings, seals), adjustment or repairs to instruments, etc." (51 FR 25456)

Therefore, Condition V.A.7.b.(6). of the draft permit will be clarified to state: "If the Permittee replaces a component of the tank system to eliminate a leak, that component must satisfy the requirements for a new tank system or components in LAC 33:V.1905 and 1907. *An engineer's certification shall not be required for such day-to-day routine maintenance or service practices as replacement or repair of worn portions of tank system components (e.g. valves, bearings, seals), adjustment or repairs to instruments, etc."*

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 10

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.A.9.c.(4)(c), Page 44.

Comment: **There is no Condition V.A.6.e.5 in the Draft Permit. The assumed intended reference is Condition V.A.6.e.(4) in the draft. Rubicon requests that Condition V.A.9.c.(4)(c) be modified to read:**

> **"Any tank thickness measurements that are averaged under Condition V.A.6.e.4..."**

LDEQ Response: The Department acknowledges and concurs with your comment.

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 11

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: First paragraph, last sentence of Condition V.B.

Comment: **First paragraph, last sentence of Condition V.B. states:**

> **"The 55-gallon drums shall be stored in accordance with LAC 33:V.2109."**

Rubicon stores various sizes and kinds of containers in the permitted container storage area such as 30 gallon containers and 1 cubic yard wranglers. In order to address all of the different containers that store hazardous wastes, the numerical size and the word "drum" should be deleted. Rubicon requests that this sentence be modified to read:

> **"*Containers* shall be stored in accordance with LAC 33:V.2109."**

LDEQ Response: The Department acknowledges and concurs with your comment. In addition to your comment, the sentence will read:

> "*Containers, in compatibility with the waste*, shall be stored in accordance with LAC 33:V.2109."

Action: The permit will be revised.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
AGENCY INTEREST #1468
GEISMAR, LOUISIANA

Item: 12

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Boiler Inspections, Page 59.

Comment: **Table 9 of the Draft Permit should be deleted and the appropriate items incorporated into the General Inspection Schedule Table (GIST). The GIST already addresses BIF Units and the items Table 9 of the Draft Permit. By deleting Table 9 of the Draft Permit, there then would be a single table that lists inspection items and would eliminate duplication. Table A on Page 11 of this submittal summarizes the changes and the reasons for the changes in the Revised GIST by incorporating Table 9 of the Draft Permit. Table B on Page 13 of this submittal is the proposed Revised GIST. This revised GIST supercedes all GIST in all previous submittals to the permit renewal application documents.**

LDEQ Response: The Department acknowledges your comment, but only concurs in part. Table 9 will not be deleted and will be included in the Final Permit. However, the Department does concur that visual inspections of the atomizing fluid pressure transducer, waste feed pressure transducer, and the waste feed flowmeter of the Boiler's Waste Feed System does not determine if the instruments are functioning properly. Therefore, the Waste Feed System and its elements will be deleted from Table 9.

The Department also concurs that Table 9 should be consistent with the language stated in Condition V.A.6.f. Therefore, the Waste Tank System section will be revised to read:

Waste Tank System	Tank Integrity	Daily
	Level Controls	*Daily*
	Overflow Alarms and Controls	*Daily*
	Secondary Containment	Daily

"(Operability)" was removed from the inspection elements "Level Controls" and "Overflow Alarms and Controls" so that these inspection elements reflect the daily inspections required by LAC 33:V.1911.B.2. The annual frequency for testing the function of the overfill controls stated in Condition V.A.6.f remains in the Final Permit.

Also, the inspection frequency of the Boiler Refractory during "Every Turnaround" is considered vague, and will be revised to state: "*Every planned entry into the BIF Unit.*"

Action: The permit will be revised as indicated above.

TABLE A

Summary of Table 9 Inspection Items in the Draft Permit and their Inclusion or Exclusions in the Revised GIST

Wording in Table 9 of the Draft Permit, Page 59			Revised GIST	
Equipment/ Instrument	Inspection Elements	Inspection Frequency	GIST	Rubicon's Comment
Burner System	Leaks in Manifold	Daily	Incorporate	Item did not exist as per se in General Inspection Schedule Table.
Waste Feed System	Atomizing Fluid Pressure Transducer	Daily	Do not incorporate	Boiler inspections include daily inspections for the Atomizing Fluid Pressure Transducer, the Waste Feed Pressure Transducer and the Waste Feed Flowmeter. Visual inspections of these items will not determine if the instruments are functioning properly. Visual inspections of the Waste Feed Pressure Transducer and the Waste Feed Flowmeter are addressed in the permit under Condition V.C.2.a.(2), Page 54 of the Draft Permit. The Atomizing Fluid Pressure Transducer is addressed in Table 9 under Continuous Process Monitors. Rubicon requests that the daily inspections for the Atomizing Fluid Pressure Transducer, the Waste Feed Pressure Transducer and the Waste Feed Flowmeter be removed from Table 9 because they are already addressed in the Permit.
	Waste Feed Pressure Transducer	Daily	Do not incorporate	
	Waste Feed Flowmeter	Daily	Do not incorporate	

TABLE A

Summary of Table 9 Inspection Items in the Draft Permit and their Inclusion or Exclusions in the Revised GIST

Wording in Table 9 of the Draft Permit, Page 59			Effect on the GIST	
Equipment/ Instrument	Inspection Elements	Inspection Frequency	Revised GIST	Rubicon's Comment
Waste Tank System	Tank Integrity	Daily	Retain	Existing inspection item
	Level Control (Operability)	Monthly	Retain	Existing inspection item
	Overflow Alarms and Controls (Operability)	Monthly	Revise to incorporate Condition V.A.6.f	Condition V.A.6.f, Page 40 in the Draft Permit states: Tank levels shall be continuously monitored and overfill control shall be visually inspected along with other aboveground portions of the tank daily. Function of the overfill control shall be tested annually.
	Secondary Containment	Daily	Retain	Existing inspection item
Boilers	Fugitive Emissions	Daily	Retain	Existing inspection item
	Refractory	Every Turnaround	Clarify	A turnaround is a not a definitive word in chemical manufacturing. To clarify the frequency, Rubicon suggests that the refractory be inspected every time there is a planned entry into the BIF Unit. This frequency will take into account that the DPA Superheaters can be idle due to product demand hence extending the time before the deterioration of the refractory occurs.
Continuous Process Monitors	Out-of-tolerance Operational Data	Daily	Incorporate	Item did not exist in General Inspection Table.
Automatic Waste Feed Cut Off (AWFCO) System1	Operability	Monthly	Retain and incorporate footnote 1.	Existing inspection item except for the footnote reference.

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Item: 13

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Tables and their Text References in Condition V.C, V.D, V.E, V.F and V.H.

Comment: **If Table 9 of the Draft Permit is deleted, then there would be additional table reference changes in Conditions V.C, V.D, V.E, V.F, V.H. For example, Tables 10, 11 12, 13, 14, 15 and 16 of the Draft Permit should be renumbered to reflect the deletion.**

Summarizing the renumeration of the Tables in Conditions V.C through V.F:

Draft Permit	Draft Page Number	Final Permit
Table 9	59	Delete
Table 10	63	Table 9 – Group A Parameter Limits for the Aniline II Boiler (Automatic Waste Feed Cut Offs)
Table 11	63	Table 10 – Group B & C Parameter Limits for the Aniline II Boiler
Table 12	67	Table 11 – Group A Parameter Limits for the DPA I Superheater (Automatic Waste Feed Cut Offs)
Table 13	67	Table 12 – Group B & C Parameter Limits for the DPA I Superheater
Table 14	71	Table 13 – Group A Parameter Limits for the DPA II Superheater (Automatic Waste Feed Cut Offs)
Table 15	71	Table 14 – Group B & C Parameter Limits for the DPA II Superheater
Table 16	72	Table 15 –Emission Controls for Tanks

Table references in the text would also have to be changed in Conditions V.C, V.D, V.E, V.F, and V.H to reflect the renumeration. Summarizing the locations of the text changes:

Draft Page Number	Draft Permit Condition	Final Permit
54	V.C.2.a.(1)	...instrumentation in accordance with the *General Inspection Schedule in Attachment 1.*
	V.C.3.a.(1)	...shall be as specified in Tables 9-14 of this Permit. (See Comment 14)
55	V.C.3.a.(4)	...the equipment specified in Tables 9-14. (See Comment 15)
56	V.C.5.a.(1)	...specified in Tables 9, 11, and 13. (See Comment 16)
60	V.D.1.a	...from those established in Table 9 and below:
	V.D.1.b	...these limits (see Table 10), ...
64	V.E.1.a	...from those established in Table 11 and below:
	V.E.1.b	...these limits (see Table 12), ...
68	V.F.1.a	... from those established in Table 13 and below:
	V.F.1.b	...these limits (see Table 14), ...
72	V.H.3	...as listed in Table 15.

LDEQ Response: The Department acknowledges your comment, but does not concur. Table 9 will not be deleted from the Final Permit (See Comment #12).

Action: The permit will not be revised.

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RUBICON, LLC
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GEISMAR, LOUISIANA

Item: 14

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.C.3.a.(1), Page 54.

Comment: **Condition V.C.3.a.(1) of the Draft Permit states:**
"The continuous monitoring requirements shall be as specified in Tables 9-14 of this Permit."

A reference to Table 9 is incorrect for that Table contains inspection items and not monitoring requirements. In addition, Table 15 of the Draft Permit was not listed. The Draft Permit should have referenced Tables 10-15. Because Table 9 of the Draft Permit is being deleted, Condition V.C.3.a.(1) as worded is correct. Rubicon does not request any word modification.

LDEQ Response: The Department acknowledges your comment, but only concurs in part. The Department agrees that Table 9 does not contain monitoring requirements for the BIF. Condition V.C.3.a.(1) will be revised to state: "*...as specified in Tables 10-15 of this Permit.*" instead of "Tables 9-14." However, Table 9 will not be deleted from the Final Permit (See Comment #12).

Action: The permit will be revised as indicated.

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RUBICON, LLC
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GEISMAR, LOUISIANA

Item: 15

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.C.3.a.(4), Page 55.

Comment: **Condition V.C.3.a.(4) of the Draft Permit states:**
"The Permittee must calibrate the equipment specified in Tables 10-14..."

Table 15 of the Draft Permit also contains pieces of equipment that would require calibration. The Draft Permit should have referenced Tables 10-15. Since Table 9 of the Draft Permit is being deleted, Tables 10-15 will be renumbered (See Comment 13 for details). Rubicon requests that Condition V.C.3.a.(4) be modified to read:

"The Permittee must calibrate the equipment specified in Tables 9-14"...

LDEQ Response: The Department acknowledges your comment, but only concurs in part. The Department agrees that Condition V.C.3.a.(4) should state: "...equipment specified in Table 10-15..." instead of "Table 10-14..." However, since Table 9 will not be deleted (see Comment #12), the Final Permit will state: "...*equipment specified in Tables 10-15*..."

Action: The permit will be revised as indicated.

RESPONSIVENESS SUMMARY
RUBICON, LLC
LAD 008213191-OP-RN-1
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GEISMAR, LOUISIANA

Item: 16

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Condition V.C.5.a.(1), Page 56.

Comment: **Condition V.C.5.a.(1) of the Draft Permit states:**
"V.C.5.a.(1) The Permittee shall operate the systems specified in Tables 10-15 of this Permit to automatically cut off the hazardous waste feed when the monitored operating conditions deviate from the set points specified in the Permit."

Only Tables 10, 12 and 14 of the Draft Permit specify the operating limits that require automatic cut offs of the hazardous feed. Since Table 9 of the Draft Permit is being deleted, Tables 10, 12 and 14 of the Draft Permit will be renumbered (See Comment 13 for details). Rubicon requests that Condition V.C.5.a.(1) be modified to read:

"V.C.5.a.(1) The Permittee shall operate the systems specified in Tables *9, 11, and 13* of this Permit to automatically cut off the hazardous waste feed when the monitored operating conditions deviate from the set points specified in these tables."

LDEQ Response: The Department acknowledges your comment, but only concurs in part. The Department agrees that Condition V.C.5.a.(1) should state: "...specified in Tables 10, 12, and 14 of this permit..." instead of "...Tables 10-15..." However, since Table 9 will not be deleted (see Comment #12), the Final Permit will state: "*...specified in Tables 10, 12 and 14 of this Permit...*"

Action: The permit will be revised as indicated.

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RUBICON, LLC
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Item: 17

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Table 11, Page 63, Table 13, Page 67, Table 15, Page 71.

Comment: **Tables 11, 13, and 15 in the Draft Permit have an asterisk (*) symbol but the symbol is not explained by a footnote. Rubicon can give two suggestions to address the absence of the footnote. The first suggestion is to add a footnote that states " * Carcinogenic metals" after the tables that contain Group B & C Parameter Limits. The second suggestion is to delete the asterisk symbol from these Tables since these metals are already identified as carcinogenic in the Group B Parameter Limits Conditions (Conditions V.D.1.b.(4), V.E.1.b.(4) and V.F.1.b.(4)).**

Since Table 9 of the Draft Permit is being deleted, Tables 11, 13, and 15 will be renumbered Tables 10, 12, and 14. (See Comment 13 for renumeration details).

LDEQ Response: The Department acknowledges your comment, but only concurs in part. The asterisks in Tables 11, 13 and 15 were intended to correspond to a footnote beneath each Table that was inadvertently omitted. Beneath Tables 11, 13 and 15, a footnote will be added to state: " * *Carcinogenic Metal – Feed rate is further limited to a level such that the sum of the actual feed rate, divided by the allowable feed rate for all carcinogenic metals, shall be less than or equal to 1.00.*" However, since Table 9 will not be deleted (see Comment #12), the numbering of Tables 11, 13 and 15 will remain the same in Final Permit.

Action: The permit will be revised as indicated.

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RUBICON, LLC
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Item: 18

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Table 14, Page 71.

Comment: **Table 14 of the Draft Permit states:**

TABLE 14 Group A Parameter Limits for the DPA II Superheater (Automatic Waste Feed Cut Offs)	
CONTROL PARAMETER	FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT
Maximum Combustion Gas Flow Rate	11,760 lbs/hr, hourly rolling average

The maximum combustion gas flow rate is based on the maximum force draft fan flow rate. This limit was set using a flowmeter on the inlet to the forced draft fan. This flowmeter was correlated to the stack flow rate and was submitted in the June 2008 Addendum to the August 2003 Hazardous Waste Permit Renewal Application. There is a strong correlation between the flowmeter and stack gas flow rate. The correlation coefficient for the data is 0.99 which indicates a strong correlation and the coefficient of determination is 0.97 for the data set from the trial burn. The equation for this correlation is:

$$Y = 1.514\ X_1 + 4540.5$$

Where **Y = stack gas flow rate, cfm**

X_1 = inlet forced draft fan flow rate, lbs/hr

1.514 = slope, cfm/lbs/hr

4540.5 = intercept, cfm

Since the Trial Burn, Rubicon has installed a new flowmeter on the discharge of the forced draft fan. This flowmeter is currently being used for control and this flowmeter will be used for HWC MACT.

compliance. A correlation for this flowmeter was submitted in the DPA II Superheater Comprehensive Performance Test Plan submitted January 18, 2008. The correlation coefficient for this data set is 0.83 which indicates a strong correlation and the coefficient of determination is 0.69 for the data set. There is one data point in this data set which may be an outlier. Without this data point, the correlation coefficient for the data set becomes 0.98 which indicates a strong correlation and the coefficient of determination becomes 0.97 for the data set. The equation without the outlier for this correlation is

$$Y = 3.257\ X_2 + 5805.5$$

Where Y = stack gas flow rate, cfm

X_2 = discharge forced draft fan flow rate, cfm

3.257 = slope, dimensionless

5805.5 = intercept, cfm

Rubicon would like to use the discharge flowmeter for compliance with the hazardous waste permit. Rubicon proposes to do this by recalculating the limit of the inlet flowmeter in terms of the discharge flowmeter. This is accomplished by setting the two correlations equal to each other and solving for the discharge flowmeter. This yields:

$$X_2 = (1.514\ X_1 - 1265)/3.257$$

Where X_2 = Discharge forced draft fan flow rate, cfm

X_1 = inlet forced draft fan flow rate, lbs/hr

1.514 = slope, cfm/lbs/hr

3.257 = discharge slope, dimensionless

1265 = difference of intercepts, cfm

Putting in the limit of 11,700 lbs/hr for the inlet flowmeter yields a limit of 5,050 cfm for the discharge flowmeter. Using the original correlation equation of the discharge flowmeter that is presented in the DPA II Superheater CPT Plan yields a limit of 5,441 cfm. Based on this analysis, Rubicon requests that the Maximum Combustion Gas Flow Rate be changed to 5,050 cfm to allow for use of the discharge forced draft fan flowmeter. With the deletion of Table 9,

Table 14 of the Draft Permit will be relabeled Table. For renumeration of the Tables in Condition V.C through V.H, refer to Comment 13 of this submittal.

The table below summaries the suggested changes in this comment.

Table 13 Group A Parameter Limits for the DPA II Superheater (Automatic Waste Feed Cut Offs)	
CONTROL PARAMETER	**FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT**
Maximum Combustion Gas Flow Rate	***5,050 cfm, hourly rolling average***

LDEQ Response: The Department acknowledges your comment, but only concurs in part. The Department agrees and accepts the correlation presented between the inlet air flow at the forced draft fan discharge and the stack gas flow rate. However, since Table 9 will not be deleted (see Comment #12), the numbering of Table 14 will remain the same in Final Permit.

The Final Permit will reflect:

Table 14 Group A Parameter Limits for the DPA II Superheater (Automatic Waste Feed Cut Offs)	
CONTROL PARAMETER	**FINAL OPERATING LIMITS AUTOMATIC WASTE FEED CUT OFF POINT**
Maximum Combustion Gas Flow Rate	***5,050 cfm, hourly rolling average***

Action: The permit will be revised as indicated.

RESPONSIVENESS SUMMARY
RUBICON, LLC
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GEISMAR, LOUISIANA

Item: 19

Reference: Comments from Rubicon, LLC, Geismar Facility, on the Draft Operating Permit (LAD008213191-OP-RN-1), submitted on September 19, 2008.

Issue: Attachment 1

Comment: **Several of the dates in the column entitled "Application/Document Date" are incorrect. Table C on Page 20 of this submittal summarizes the suggestive revisions and the reason for that revision. All the documents listed in Attachment 1 were updated since the initial renewal permit submittal; therefore, the column entitled "Comments" should also include updated Contingency and Training Plans and Updated Inspection Schedule.**

LDEQ Response: The Department acknowledges and concurs with your comments.

Action: The permit will be revised.

TABLE C - Suggested Revisions to ATTACHMENT 1

DOCUMENT TYPE	APPLICATION/ DOCUMENT DATE	ELETRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID	COMMENTS	Rubicon Written Comments
Financial Assurance	NA	NA	Updated Financial Assurance documentation shall be submitted in accordance with II.E.21.e.	Incorrect reference for financial assurance. Draft Permit listed II.E.21.a and it should be II.E.21.e (reference Page 14 of Draft Permit)
Closure/Post-Closure cost estimates	~~4/22/08~~ *5/22/08*	36918041 – *LDEQ to verify EDMS Document ID Number*	Updated Closure/Post Closure cost estimates.	The latest revisions to the Closure/Post-Closure cost estimates and Plan were submitted in Appendix J, Section 2 of Rubicon's Response to a Second Notice of Deficiencies (2nd NOD Response) to the Hazardous Waste Permit Renewal Application. The cover letter to this submittal had the incorrect date. The cover letter cited 4/22/08 instead of 5/22/08. The Certification was dated 5/22/08. LDEQ stamped receipt was on 5/22/08. LDEQ needs to ensure correct EDMS reference.
Closure/Post-Closure Plan	~~4/22/08~~ *5/22/08*	36918041 - *LDEQ to verify EDMS Document ID Number*	Updated Closure/Post - Closure Plan	
Waste Analysis Plan	~~4/22/08~~ *5/22/08*	36918041 – *LDEQ to verify EDMS Document ID Number*	Updated Waste Analysis Plan	The latest revision to Waste Analysis Plant was submitted in the 2nd NOD Response. The cover letter to this submittal had the incorrect date. The cover letter cited 4/22/08 instead of 5/22/08. The Certification letter was dated 5/22/08. LDEQ stamped receipt was on 5/22/08. LDEQ to ensure correct EDMS reference.

TABLE C Continued - Suggested Revisions to ATTACHMENT 1

DOCUMENT TYPE	APPLICATION/ DOCUMENT DATE	ELETRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID	COMMENTS	Rubicon Written Comments
Contingency Plan	8/8/07	36179014	*Updated Contingency Plan*	LDEQ stamped receipt was on 8/8/07.
Inspection Schedule	~~*8/8/07*~~ *9/19/08*	36179014 – *LDEQ to verify EDMS Document ID Number*	*Revised General Inspection Schedule*	The latest revised Inspection Schedule is submitted in this submittal (Rubicon's Comments on the Draft Hazardous Waste Operating Renewal Permit). LDEQ stamped receipt was on 9/19/08. LDEQ to ensure correct EDMS reference.
Security Plan	6/25/08	37036241	Updated Security Plan	Document dated 6/25/08 but LDEQ stamped receipt was on 6/26/08.
Training Plan	8/8/07	36179014	*Updated Training Plan*	LDEQ stamped receipt was on 8/8/07.
Arrangements with Local Authorities	~~*3/3/08*~~ *2/8/08*	36641720 - *LDEQ to verify EDMS Document ID Number*	Updated Arrangements with Local Authorities	The latest arrangements were submitted in Appendix G, Section 3 in the Submission of Rubicon LLC Response to the Notice of Deficiencies (NOD) to the Hazardous Waste Permit Renewal Application. LDEQ receipt stamp was 2/8/08. LDEQ to ensure correct EDMS reference.